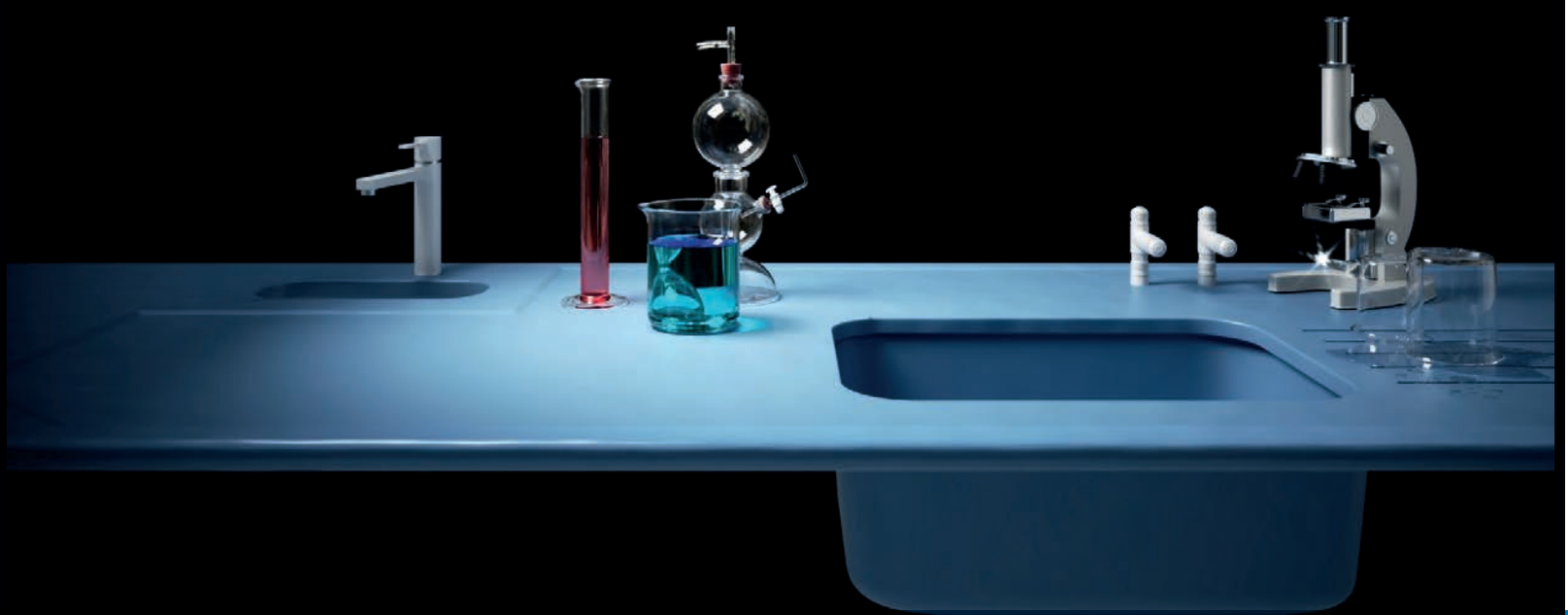
MONOLITE
IPERGRES
HI_TECH

WORKTOPS & **SINKS** IN TECHNICAL CERAMIC FOR ALL KINDS OF LABORATORIES



MONOLITE
IPERGRES

HI_TECH

60 years

of experience in the manufacturing and sale on a global scale, meeting the regulations and design procedures of each Country.

We pay special attention to the technical-aesthetic needs of each lab space, offering a customised service.

THE EXCELLENT PARTNERS OF A COSTANT RESEARCH TO IMPROVE THE PERFORMANCES OF THE SERVICE TO OFFER TO THE MARKET.

Università Politecnica delle Marche

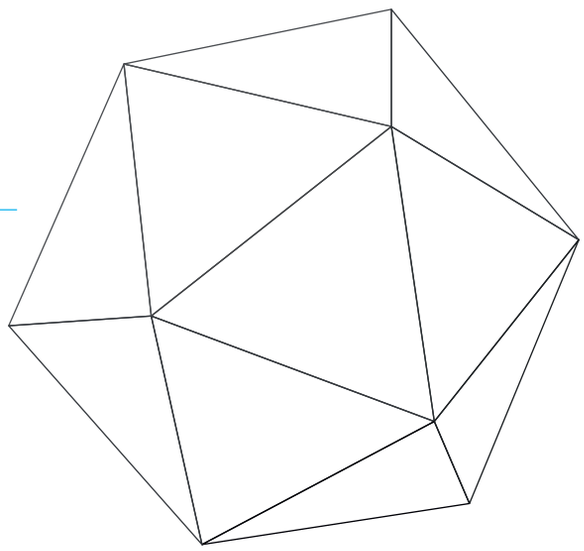
Politecnico di Torino
Department for Territory and Geological Resources of the Politecnico in Turin

Centro Ceramico

Università degli Studi di Ferrara

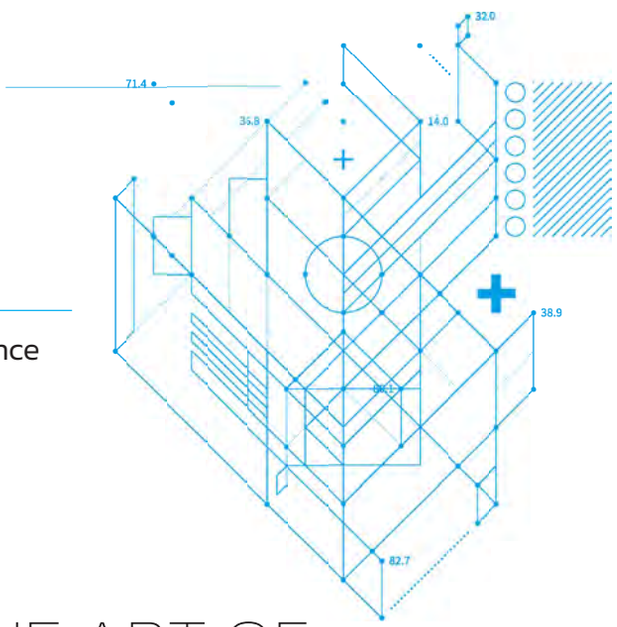
OUR WORK IS A **WORK IN DEPTH**

Worktops and edges shaped with cleverness and research to meet every need.



COLOURS FULL OF LIFE

Energy and personality to enjoy a high quality customized workplace.



PLEASANT **DESIGN LABS**

Personalized solutions, high performance and a design interface open to all CAD software.

THE ART OF **WORKMANSHIP**

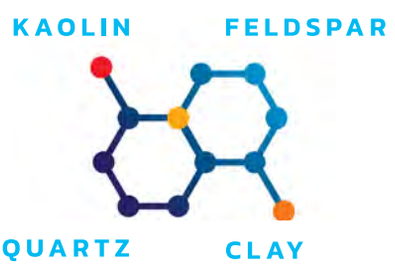
Worktops and surface of all shapes, sizes, thicknesses to realize customised projects.

The **Technology**

"New techniques and production procedures have been applied to ceramic."

TECHNICAL **CERAMIC** MIXTURE

MONOLITE IPERGRES® is a **Technical Ceramic** mixture, chemical-technical stoneware, that is single fired at high temperature (1250° C).

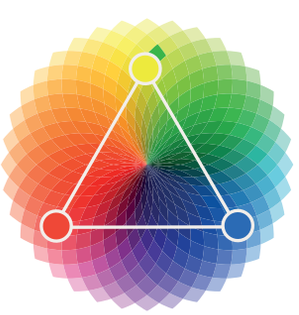


NATURAL EARTH RESOURCES

MONOLITE IPERGRES® Technical Ceramic is manufactured from **natural earth resources** as clay, kaolin, feldspar and quartz.

GREEN BUILDING CONCEPT

All the benchmarked materials are **"natural"** and the production technology has low environmental impact, with absence of any pollutant.



UNIQUE RANGE OF **COLOURS**

After a complex research, experimentation on working process and severe control, Laboratorio Pesaro produces on its own exclusive formula clay mixtures and glazes, in a **range of colours unique** on the market.

EXCELLENT **RESISTANCE**

The single-firing technique at high temperature allows the ceramic body to combine firmly with the glaze giving to the glazed surface an **excellent resistance** in time and a very high quality value.

Countries we **export** to:

ARGENTINA
AUSTRIA
BELARUS
BELGIUM
BULGARIA
CHINA
COLUMBIA
CZECH REPUBLIC
DENMARK
EGYPT
ENGLAND
ESTONIA
FRANCE
GERMANY
GREECE
HOLLAND
INDIA
IRAN
IRELAND
ICELAND
IRAN
ISRAEL
ITALY
JAPAN
JORDAN
KUWAIT
LATVIA
LITHUANIA
MALAYSIA
MALTA
MEXICO
NORWAY
OMAN SULTANATE
POLAND
PORTUGAL
ROMANIA
RUSSIAN FEDERATION
SAUDI ARABIA
SERBIA
SINGAPORE
SLOVENIA
SPAIN
SWEDEN
SWITZERLAND
THAILAND
TURKEY
UNITED ARAB EMIRATES
UZBEKISTAN

YOUR PARTNER **Worldwide**

MONOLITE IPERGRES® Technical Ceramic manufacturing process method and procedures are in accordance with ISO standards for general management **ISO 9001: 2008.**

• Laboratorio Pesaro is proud to be a member of **SEFA** – the International Scientific Equipment and Furniture Association

Excellences strength points
hexagon

STRONGLY MECHANICAL RESISTANCE
- small thickness for an optimal structural performances of self-supporting low weight work surfaces;
- high resistance values to allow a thickness lower than 20 mm in dealing with very large dimensions 2200x1100 mm.

HIGH THERMAL STABILITY AND EXCELLENT PERFORMANCES.
- thermal shock resistant to open flames and hot devices
- frost-proof and non-flammable (Euro-class A1).

FULLY VITRIFIED GLAZES FOR A FULLY HYGIENIC SURFACE.
- no stains, no grease and liquids absorption;
- consistent with any detergent;
- ease to be perfectly cleaned and decontaminated of any bacteria and aggressive substances.

LARGE RANGE OF COLOURS AND FINISHES.
- different glazes for any specific requirements:
a) satin, ideal for optimizing the work environment,
b) glossy, to have the best anti-bacterial performance and ease of cleaning.
- customization of each lab environment with the optimum colour.

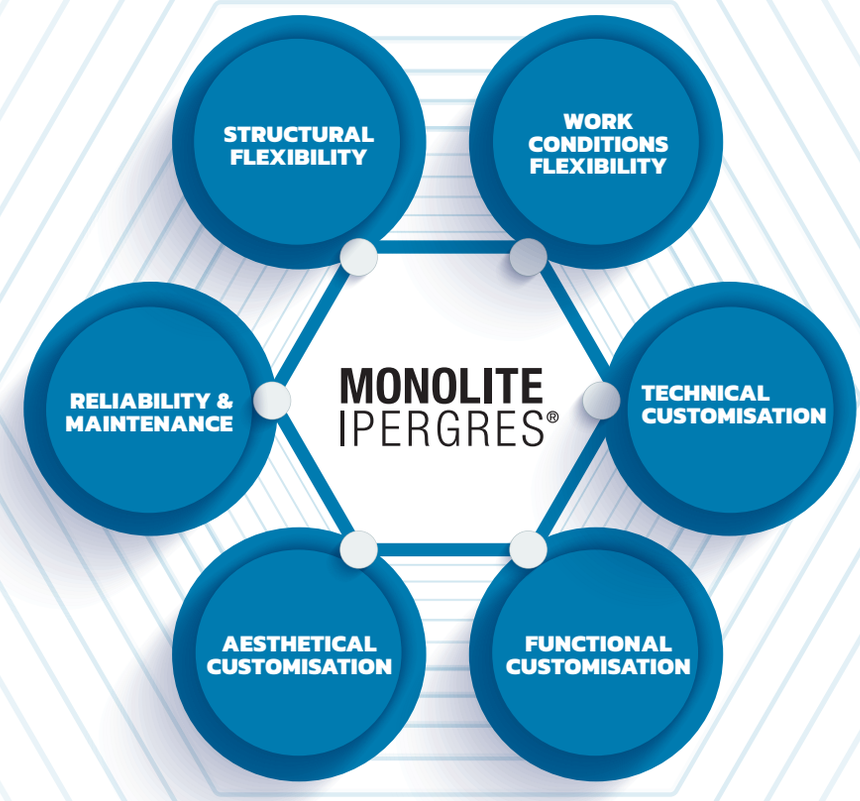
CUSTOMIZATION AND SPECIAL FUNCTIONAL PERFORMANCES.
- production of different type of worksurfaces;
- freestanding products or part of complex system requesting a coupling with other components.
- functional performances combined with aesthetical ones.

CUSTOMIZATION AND SPECIAL TECHNICAL FEATURES.
- different kinks of section profiles: flat, "marine", laminar, with relevant changes of thickness.
- every type of hole and opening can be provided with glazed or unglazed cut edges.

Marketing excellences
hexagon

Self-supporting monolithic worksurfaces, various thicknesses and product specifications .

High thermal stability to afford stressing working conditions: thermal shock & aggressive substances.



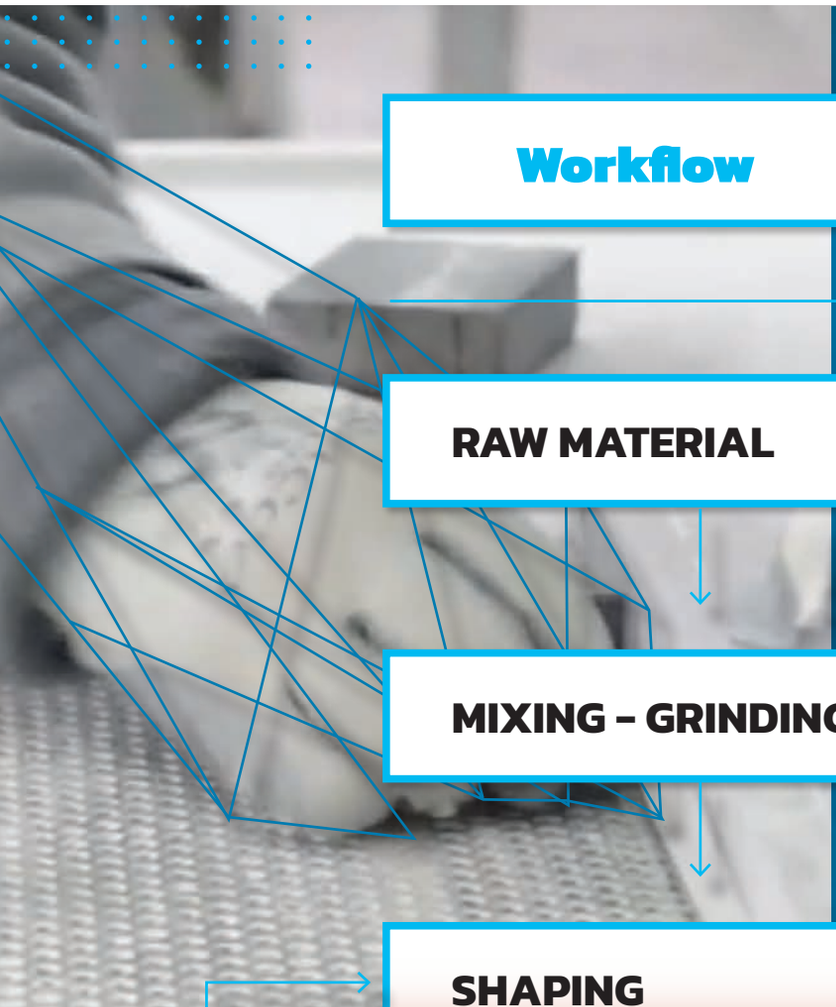
High-performance glazes, long life in hard working conditions of worksurfaces. Perfect & easy decontamination from any substances & bacteria.

Products can be **designed** to have **different kinks of section profiles:** flat, shaped, with relevant changes of thickness.

Wide range of colours. It is possible to customize each lab environment with the optimum colour.

Products can be designed to have **functional performances combined with aesthetical ones**.

Control of the process



Workflow

Criticalities control

RAW MATERIAL

Precise control of raw materials and the combination provided in the critical product recipe.

MIXING – GRINDING

Need to ensure a correct size of the mixed components' particles for obtaining a final structure of the material in line with expected **performance**.

SHAPING

Larger objects require complex moulds integrating an external steel frame with internal functional parts on coating.

HEAT

DRYING

Large and thin slides/tops require a **special drying** process to mitigate the mechanical stress and avoid warpages.

FIRING

Automatic control systems allow to customize the firing cycles (specific Δ°C/h) for very different typologies of products.

Control of the flow

1 SHAPING

2 FINISHING

3 GLAZING & FIRING

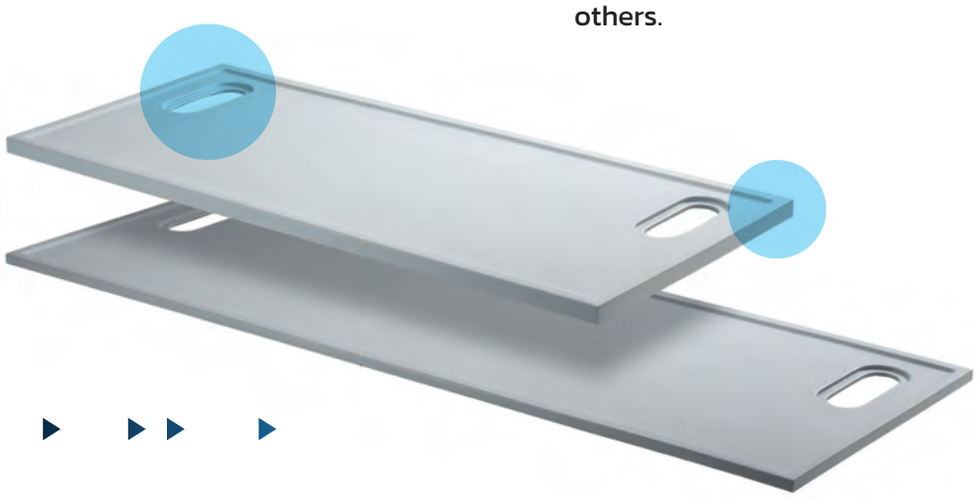
4 CUTTING & COUPLING

5 PACKAGING & SHIPMENT

The **product**

• The worktops are completely **self-supporting** and do not require structural frames.

• The product features a rim against overflows along all four sides; any worktop can be used **individually** or as a part of a **combination** together with others.



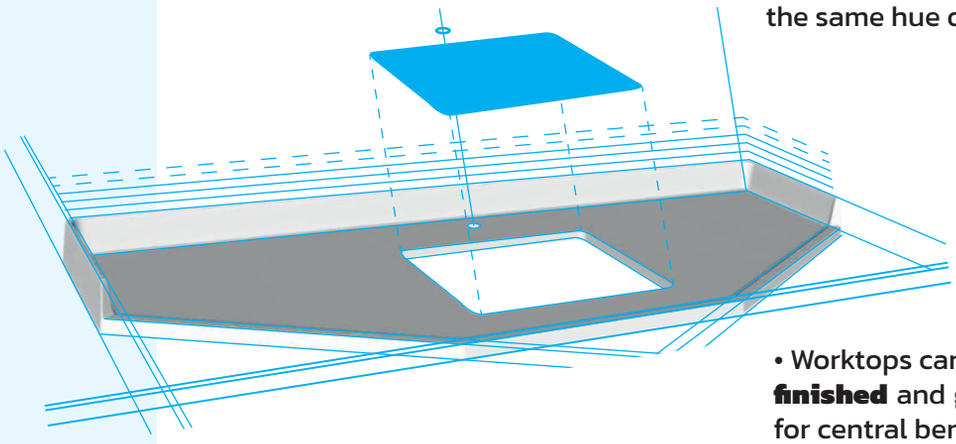
• It is possible to **make holes on the worktop surface** for sinks of various shapes, standard or not, holes for the fittings and any kind of opening with glazed or unglazed cut edges.

• Special **shaped worktops** can be also produced manufacturing dedicated moulds or with **CNC milling**.

The **product**

• In order to have **non standard length,** worktops with a rim against overflow on all four sides can be cut and assembled "side by side" with **CNC 5 axis bridge saw**.

• The worktops are supplied with a frontal **glazed edge** and the remaining edges can be cut to the desired size; the two short edges are finished with a special cold-applied enamelling of the same hue of the worktop.



• Worktops can be supplied with **finished** and **glazed edges** (ie. for central benches).

• In order to **optimize packing** and decrease **transportation** costs, sinks are normally supplied as detached part. On demand, they can be assembled together.

• The worktops made of Technical Ceramic have geometric features tolerances respecting **DIN 12916.**

Performance

The *Department for Territory* **and** *Geological Resources of the Politecnico in Turin and the Ceramic Centre in Bologna* **have carried out some physical and mechanical tests on MONOLITE IPERGRES® samples with these results:**

STRUCTURAL PROPERTIES	VALUE
Density (weight for unit of volume g/cm3) - DIN 51064	2.17
Weight H20 mm Worktops per Square meter (+/- 5%)	43.50
Weight H28 mm Worktops per Square meter (+/- 5%)	44.80
Weight H38 mm Worktops per Square meter (+/- 5%)	48.50
DIMENSIONAL PROPERTIES AND QUALITY GLAZED SURFACE	
Dimensional and geometrical properties - UNI EN ISO 10545 - 2 / DIN 12916	Compliant
Colour stability to Light and UV rays - UNI EN ISO 10545 - 16	Maximum
MECHANICAL PROPERTIES	
Determination of moduls of rupture and breaking strength - EN ISO 10545 - 4	
• Average breaking load (N)	16,114
• Average breaking strength (N)	14,649
• Average Modulus of rupture (N/m2)	43.10
Flexural strength after frost resistance test (EN 100 – MPa)	40.60
Determination of impact resistance by measurement of coefficient of restitution EN ISO 10545 - 5	0.80
MECHANICAL PROPERTIES OF THE GLAZED SURFACE	
Determination of resistance to surface abrasion (UNI EN ISO 10545 - 7) Abrasion Stage PEI	5 Maximum
Hardness according to Mohs - DIN EN 101	6
THERMAL PROPERTIES	
Linear Thermal Expansion coefficient (10-6 °C-1) - UNI EN ISO 10545 - 8	6.5 - 7.0
Thermal Shock Resistance - UNI EN ISO 10545 - 9	OK
Crazing Resistance - UNI EN ISO 10545 - 11	OK
Frost Resistance - UNI EN ISO 10545 - 12	OK
Thermal Resistance (exposure up to 10 Hrs.)	up to 900 °C
CHEMICAL RESISTANCE	
Determination of Chemical Resistance of glaze surface - UNI EN ISO 10545 - 13	OK Maximum
Determination of stain resistance - UNI EN ISO 10545 - 14	OK Maximum
SAFETY PROPERTIES	
Releasing of Dangerous Substances, skid resistance - UNI EN ISO 10545 - 15	
Pb	0.00
Cd	0.00
Behaviour in Fire (Combustible material) - DIN EN 13501 - 1 - Euroclass A1	NO
Rediation Hygiene Certificate	OK

Chemical Resistance Tests

(in alphabetical order A > Z)

REAGENT	RESULT
Acetic Acid (99%)	No effects
Acetic Anhydride	No effects
Acetone	No effects
Acetonitrile	No effects
Acridine Orange	No effects
Alizarin Complexone Dihydrate	No effects
Ammonium Hydroxide (28%)	No effects
Amylacetat	No effects
Aniline blue, Water Soluble	No effects
Benzene	No effects
Butyl Alcohol	No effects
Carbol Fuchsin	No effects
Carbon Tetrachloride	No effects
Carmine	No effects
Chloroform	No effects
Chromium (VI) Oxide (60%)	No effects
Congo Red	No effects
Copper Sulphate (10%)	No effects
Cresol	No effects
Crystal Violet (Gentian)	No effects
Dichlor Acetic Acid	No effects
Dichlormethane	No effects
Dioxane	No effects
Eosin B	No effects
Ethylalcohol	No effects
Ethyl Acetate	No effects
Ethylene Glycol	No effects
Ethyl Ether	No effects
Ferric (III) Chloride (10%)	No effects
Formaldehyde (37%)	No effects
Formic Acid (99%)	No effects
Fuchsin (basic)	No effects
Furfural	No effects
Gasoline	No effects
Giemsa Stain	No effects
Hydrochloric Acid (37%)	No effects
Hydrofluoric Acid (48%)	Failed
Hydrogen Peroxide	No effects
Iodine Solution (0.1 N)	No effects

REAGENT	RESULT
Iodine (Crystals and Tincture)	No effects
Malachite Green Oxalate	No effects
Methylalcohol	No effects
Methylene Blue	No effects
Methylethylketone	No effects
Methylisobutylketone	No effects
Methyl Violet 2B	No effects
Mono Chlorobenzene	No effects
n-Butyl Acetate	No effects
n-Hexane	No effects
Naphtaline	No effects
Nitric Acid (70%)	No effects
Perchloric Acid (60%)	No effects
Phenol	No effects
Phosphoric Acid (85%)	No effects
Potassium Iodite (10%)	No effects
Potassium Permanganate(10%)	No effects
Safranine O	No effects
Silver Nitrate (1%)	No effects
Sodium Chloride (10%)	No effects
Sodium Hydroxide (40%)	No effects
Sodium Hydroxide (flakes)	No effects
Sodium Hypochlorite (13%)	No effects
Sudan III	No effects
Sulphuric Acid (98%)	No effects
1/2 Sulphuric Acid (85%)+ 1/2 Nitric Acid (70%)	No effects
Tetrahydrofurane	No effects
Toluene	No effects
Trichlorethylene	No effects
Xylene	No effects
Zinc Chloride Saturated	No effects

Informations based on in-house and Worldwide Customers' Tests as of May 2022.

Informations provided and intended only to show **MONOLITE IPERGRES®** wide range of applications but not valid as guarantee in any way. Customers are kindly asked to conduct their own tests for specific needs and applications.

Mechanical performance

SUPPORTS AND LOADING CONDITIONS

The Department of Industrial Engineering and Mathematical Sciences of Marche Polytechnic University of Ancona has carried out several tests on **MONOLITE IPERGRES®** Technical Ceramic.

These tests have deepen verified **MONOLITE IPERGRES®** features to identify reliable performances and parameters to be use in FEM (Finished Element Method) analysis.

We have been able to tune a customized a FEM simulation software to estimate the Maximum Static Load to apply on a worktop surface in safety conditions.

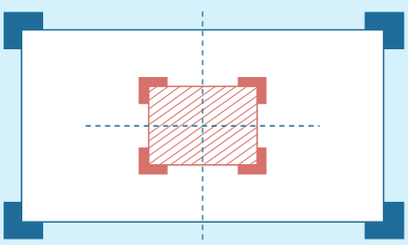
Safety conditions means that all strengths in the product sections must be less than 50% of Average Breaking Strength of **MONOLITE IPERGRES®** technical ceramic: **safety factor 2.**

Three different and significant sections and typologies of worktops have been verified considering number and position of worktop supports and loading conditions:

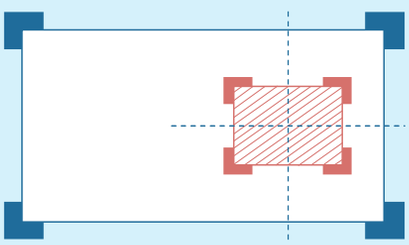
▶ Two loading conditions have been verified: central and lateral load.

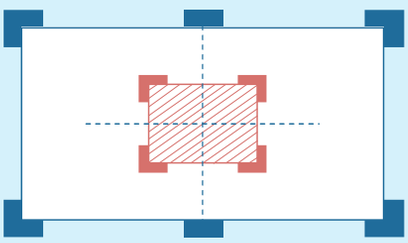
▶ Two different number and position of worktop supports have been considered: n° 4 and n° 6, one on each edge plus 2 in the middle of long sides

N° 4 Supports CENTRAL LOAD

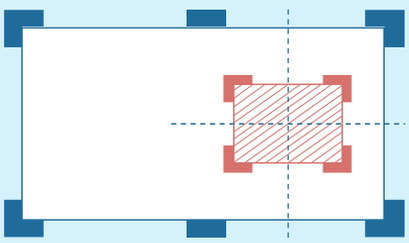


N° 4 Supports LATERAL LOAD

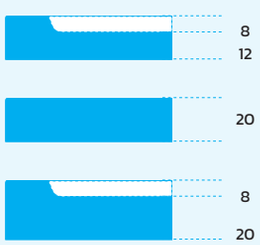




N° 6 Supports CENTRAL LOAD



N° 6 Supports LATERAL LOAD

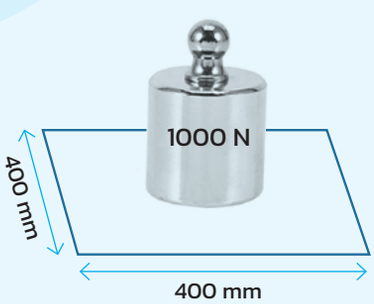


SECTION **A**

SECTION **B**

SECTION **C**

To simulate realistic load conditions, the weight of an appliance on a worktop it has been considered a load distributed on four supports at a distance of 400 mm each other.

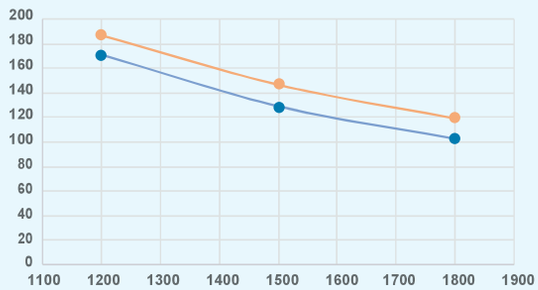


Mechanical performance

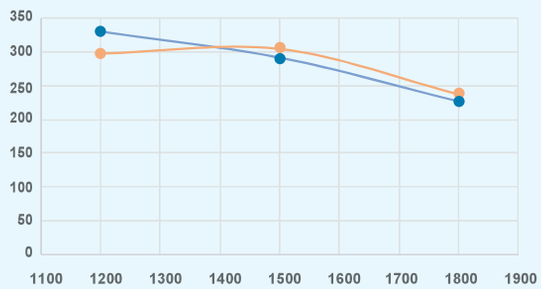
RESULTS FOR THREE TYPES OF WORKTOPS

To simulate the behaviors of the three sections, A-B-C, three different lengths of worktops, 1200 - 1500 and 1800 mm, have been analyzed under load using our **MONOLITE IPERGRES®** customized FEM software.

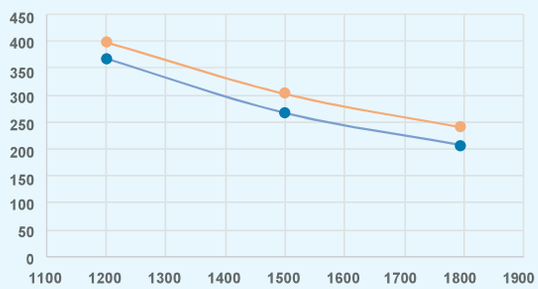
SECTION A 12+8 mm 4 supports



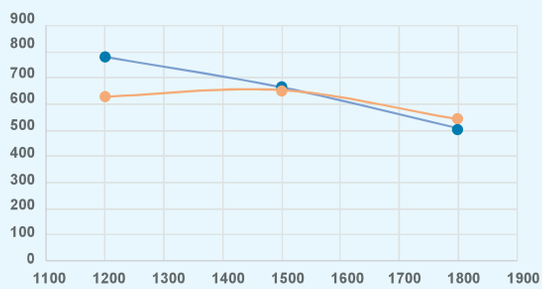
SECTION A 12+8 mm 6 supports



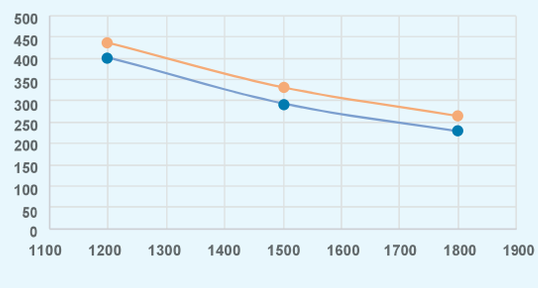
SECTION B 20 mm 4 supports



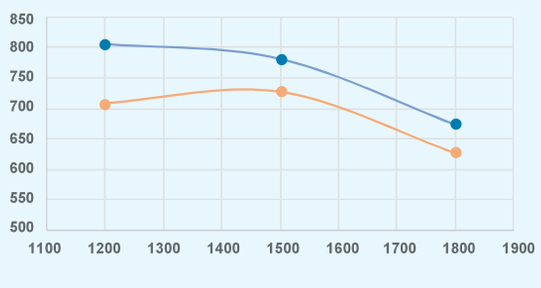
SECTION B 20 mm 6 supports



SECTION C 20+8 mm 4 supports



SECTION C 20+8 mm 6 supports

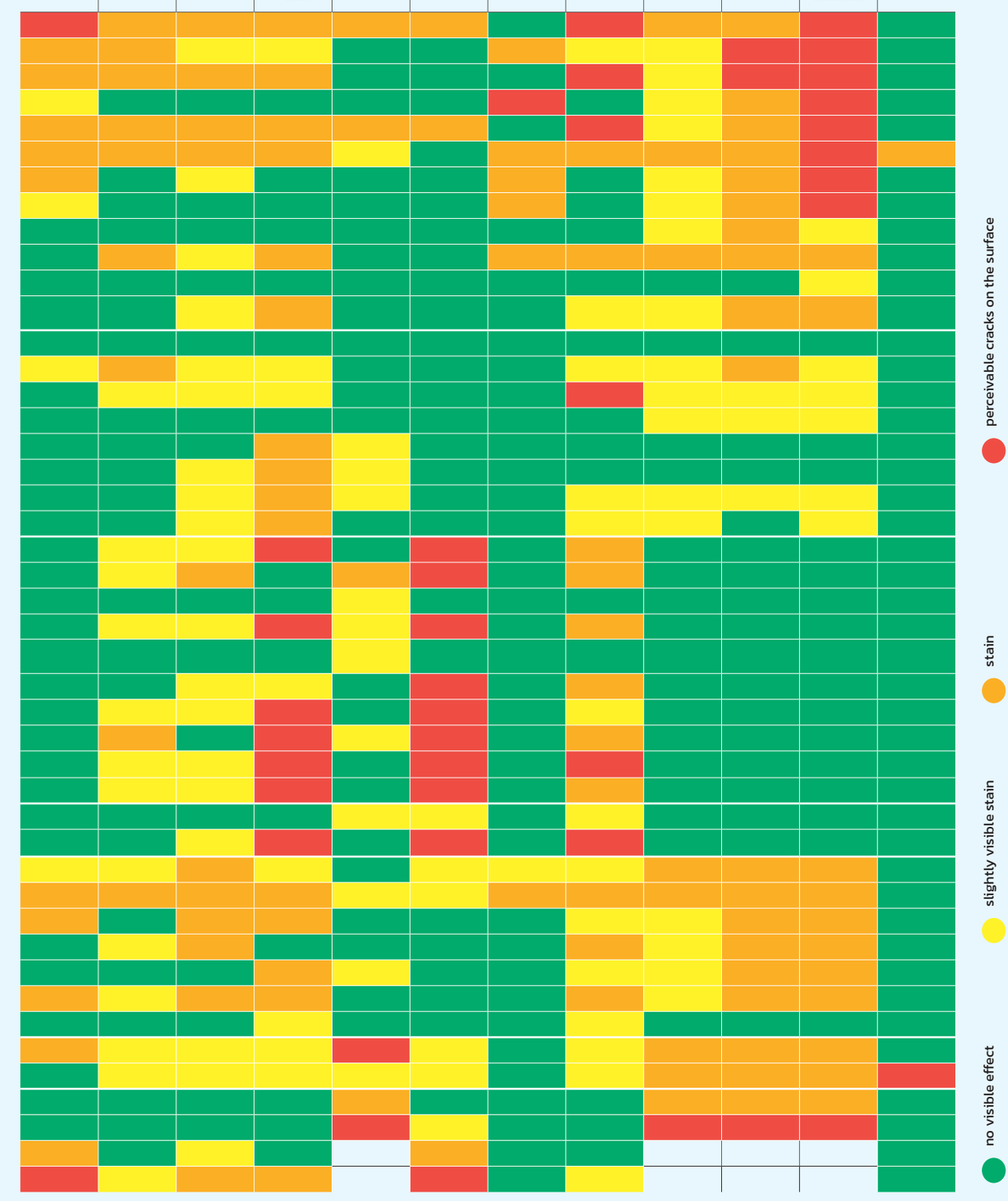


Material comparison

SAMPLE NO.		NAME OF SURFACE SAMPLE OR MATERIAL TESTED								
		CERAMIC				PLASTIC				
		1	2	3	4	5	6	7	8	9
No. of	Chemical reagent	Monolite Ipergres Ceramic	KS-12 Ceramic - glossy enamel	KS-12 Ceramic - mat enamel	Quarella Ceramic	Sloplast Plastic	Trespa Top Lab Plastic	Wilsonart Plastic	Labolam Plastic	Isomax Plastic
1.	Nitric acid, concentrated 65%									
2.	Nitric acid, diluted 10%									
3.	Sulphuric acid, concentrated 96%									
4.	Sulphuric acid, diluted 10%									
5.	Nitric and sulphuric acids, concentr.1:3									
6.	Hydrofluoric acid (37%)									
7.	Hydrochloric acid, concentrated 37%									
8.	Hydrochloric acid, diluted 10%									
9.	Phosphoric acid (73%)									
10.	Chromic acid (60%)									
11.	Sodium dichromate									
12.	Potassium dichromate (concentrated sulphuric acidsolution)									
13.	Ammonia (28%)									
14.	Trichloroacetic acid									
15.	Acetic acid, glacial									
16.	Hydrogen peroxide (33%)									
17.	Sodium hydroxide (50%)									
18.	Sodium hydroxide (10%)									
19.	Potassium hydroxide (50%)									
20.	Potassium hydroxide (10%)									
21.	Acetone									
22.	Toluene									
23.	Hexane									
24.	Dioxane									
25.	Butyl acetate, mineral spirits, o-xylol (1:1:1)									
26.	Benzene									
27.	DICHLOROATHANE (10%)									
28.	DICHLOROATHANE (20%)									
29.	Carboxylic acid, phenol (90%)									
30.	Methyl ethyl ketone									
31.	Carbon tetrachloride									
32.	Dimethylformamide									
33.	Potassium permanganate solution									
34.	Iodine solution									
35.	Bromine phenol blue (0,1%)									
36.	Methyl red (0,1%)									
37.	Methyl orange (0,1%)									
38.	Methyl blue (0,1%)									
39.	Phenolphthalein (0,1%)									
	Abrasion resistance (scratch)									
	Shock resistance									
	100 C°									
	150 C°									
	200 C°									
	300 C°									

(KINDLY OFFERED BY OUR RUSSIAN CUSTOMER LAMO)

NAME OF SURFACE SAMPLE OR MATERIAL TESTED											
	COMPOUNDS		OTHER MATERIALS								
10	11	12	13	14	15	16	17	18	19	20	21
Labgrade Plastic	Durcon epoxy compound	Krizopol epoxy compound	Glassfiber Reinforced Plastic	Polypropylene	Lexan polycarbonate	Stainless steel	Varnished Metal	Glossy Laminate	Mat Laminate	Puhos white waterproof melamine	Glass

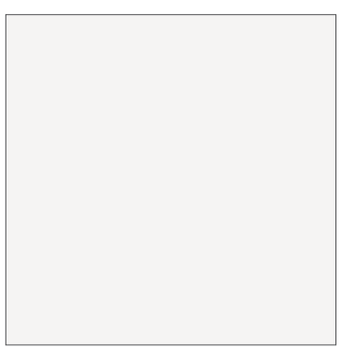


Eco-logic & **eu** satin colours

CODE	COLOUR	CLOSEST RAL
001	WHITE	9003
002	BEIGE	1015
003	LIGHT GREY	7035
007	GREY BLUE	5014
012	BLACK	5008
009	GREY dark	7043

MONOLITE IPERGRES® produces glazes on its own exclusive recipe in a wide range of **SATIN** colours. It has set raw materials selecting very high quality pigments, oxids and minerals.

The single-firing technique at high temperature allows the ceramic body to combine firmly with the glaze giving to the glazed surfaces an excellent resistance versus mechanical stress and aggressive substances.



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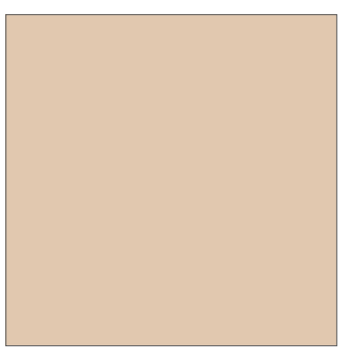
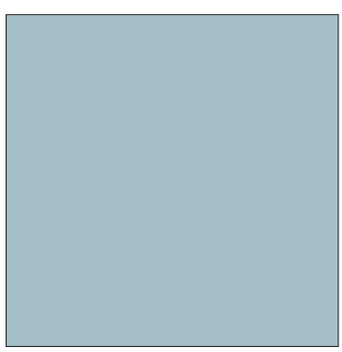


002



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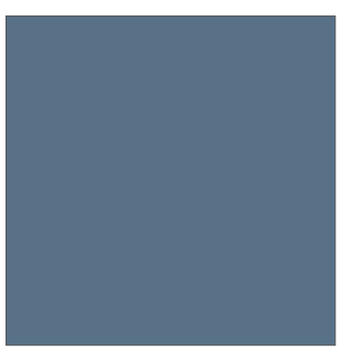
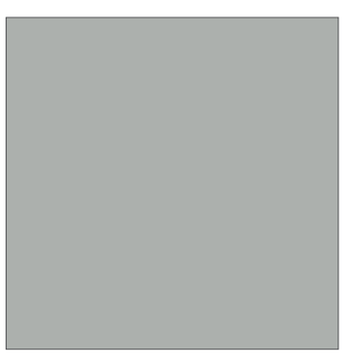


007

012



009

Bio-logic glossy colours

CODE	COLOUR	CLOSEST RAL
101	WHITE	9016
105	SILT	1013
008	LIGHT GREY	7038
102	LILAC	5014
112	BLACK	5008
103	GREY	7035

The **BIO-LOGIC** new range of **GLOSSY** colours provides work surfaces which a universal ultimate performance in the chemical, biological and health laboratory environment.

High resistance to acid, bases and organic solvents. Effective and long lasting, simple microbiological sanitation even using detergents with low environmental impact.

101

105

008

102

112

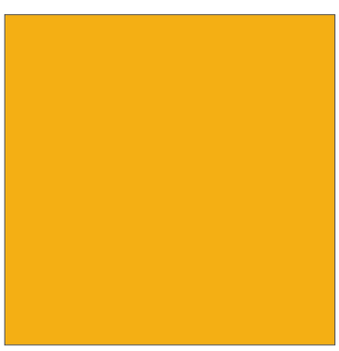
103

Satin colours collection

CODE	COLOUR	CLOSEST RAL
01-04	YELLOW	1004
20-01	ORANGE	2011
03-01	LIGHT BLUE	5023
02-02	LIGHT GREEN	6027
011	DARK GREY	7042
004	LIGHT DOTTED GREY	7038

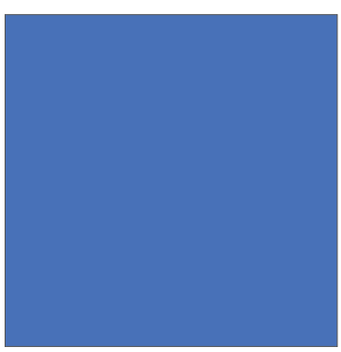
MONOLITE IPERGRES® produces glazes on its own exclusive recipe through a severe control of raw materials and in a range of colours unique on the market.

A new rang of **SATIN** colours has been designed to best respond to specific requirements of different work environments: it is possible to customize each lab environment with the optimum colour.

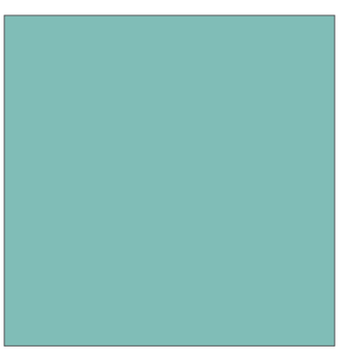


01-04

20-01

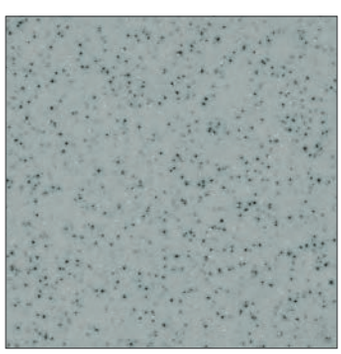


03-01



02-02

011



004

Glossy colours collection

CODE	COLOUR	CLOSEST RAL
01-04 G	YELLOW	1004
20-01 G	ORANGE	2011
03-01 G	LIGHT BLUE	5023
02-02 G	LIGHT GREEN	6027
107	TAUPE	7042
09-03	AUBERGINE	7036

The new rang of **GLOSSY** colours provides work surfaces which can be easly and perfectly cleaned and decontaminated of any bacteria and aggressive substances.

Small variation of the colour tone come into normality due to the variability of behaviour of the product during the firing at very high temperature (1250 °C)

01-04 G

20-01 G

03-01 G

02-02 G

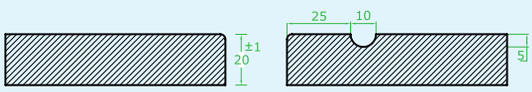
107

09-03

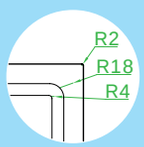
Index *of technical subjects*

Eco-logic *Worktops* ***H 20 mm*** *Flat Superlight*

EDGE TYPES



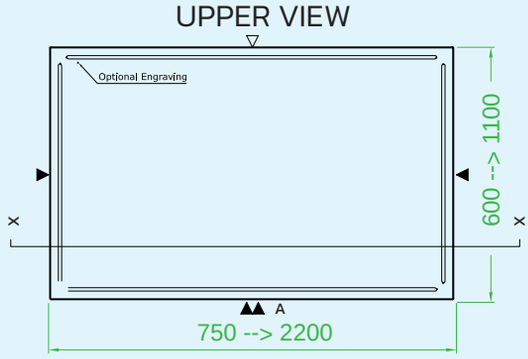
Flat W/Engraving



▲▲ GLAZED EDGE
▲ CUT AND COLD ENAMELLED EDGE
△ CUT EDGE

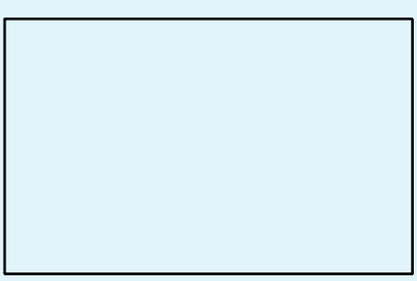
CODE	A (mm)	B (mm)	kg
	750	600 / 750	18 / 22
	900	600 / 750	22 / 27
	1200	600 / 750	29 / 36
031	1500	600 / 750	36 / 45
	1800	600 / 750	43 / 54
	2000	600 / 750	48 / 60
	2200	600 / 750	53 / 66

UPPER VIEW



SECTION X –X

LOWER VIEW



MONOLITE IPERGRES® worktops can be manufactured also in a completely flat version. This kind of slab, 20 mm thick, can be supplied as a unique top of up to 2200 x 1100 mm.

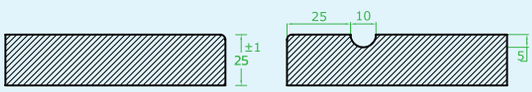
In order to reach a non-standard or very long working surface, worktops can be cut to size and all the rims, standard or not, will tidely and nicely match.

H 20 mm worktops are available either completely flat or with an optional engraving against overflow on some or all sides as customer needs. Details of the engraving in the drawings on the left.

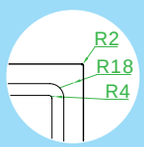
Worktops made of technical ceramic have geometric features tolerances respecting **DIN 12916.**

EU *Worktops* ***H 25 mm*** *Flat Light*

EDGE TYPES



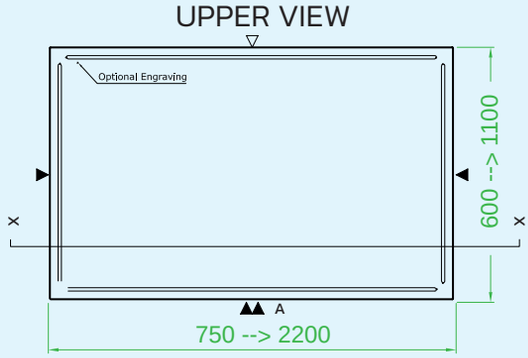
Flat **W/Engraving**



▲▲ GLAZED EDGE
▲ CUT AND COLD ENAMELLED EDGE
△ CUT EDGE

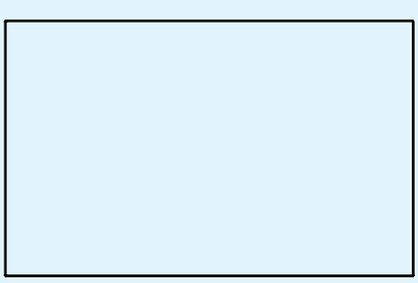
CODE	A (mm)	B (mm)	kg
	750	600 / 750	19 / 23
	900	600 / 750	23 / 28
	1200	600 / 750	30 / 38
231	1500	600 / 750	38 / 48
	1800	600 / 750	46 / 58
	2000	600 / 750	50 / 63
	2200	600 / 750	56 / 69

UPPER VIEW



SECTION X –X

LOWER VIEW



MONOLITE IPERGRES® worktops can be manufactured also in a completely at version. This kind of slab, 25 mm thick, can be supplied as a unique top of up to 2200 x 1100 mm.

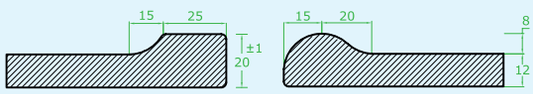
In order to reach a non-standard or very long working surface, worktops can be cut to size and all the rims, standard or not, will tidely and nicely match.

H 25 mm worktops are available either completely flat or with an optional engraving against overflow on some or all sides as customer needs. Details of the engraving in the drawings on the left.

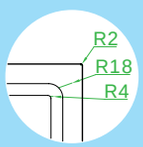
Worktops made of technical ceramic have geometric features tolerances respecting **DIN 12916.**

Bio-logic *Worktops* ***H 20 mm*** *Marine Edge*

FRONT EDGE TYPES



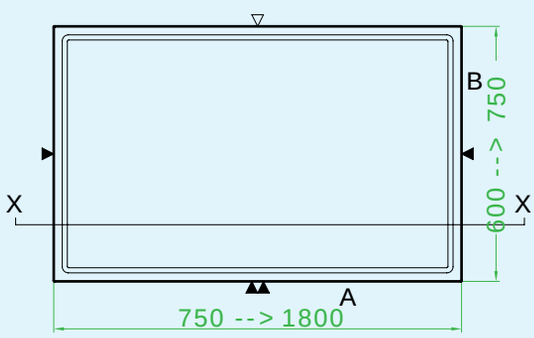
Standard Laminar



▲▲ GLAZED EDGE
▲ CUT AND COLD ENAMELLED EDGE
△ CUT EDGE

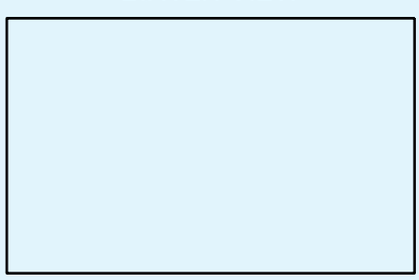
CODE	A (mm)	B (mm)	kg
CCHR F23	750	600 / 700	13 / 15
CCHR G23	900	600 / 750	15 / 18
CCHR A23	1200	600 / 750	19 / 24
CCHR B23	1500	600 / 750	24 /30
CCHR C23	1800	600 / 750	29 / 35
CCHR D23	2000	600 / 750	33 / 38

UPPER VIEW



SECTION X –X

LOWER VIEW

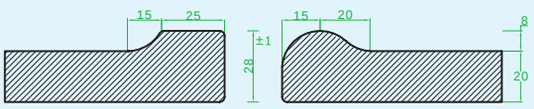


MONOLITE IPERGRES® stoneware mixture is exclusive: structural, chemical and tactile high performance. Each raw material is absolutely sustainable and free of any harmful substance.

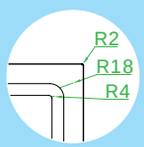
BIO-LOGIC WORKTOPS are ultra thin but high resistant, optimized for medium mechanical stresses working conditions. The product features a rim against overflows along all four sides.

Eco logic *Worktops* ***H 28 mm*** *Marine Edge*

FRONT EDGE TYPES

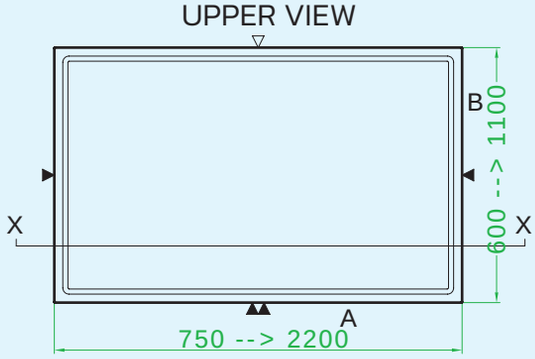


Standard Laminar



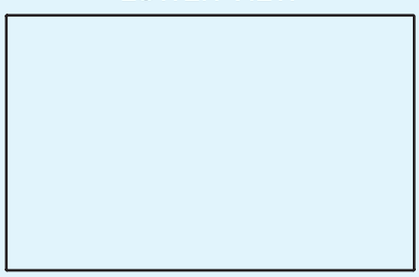
▲▲ GLAZED EDGE
▲ CUT AND COLD ENAMELLED EDGE
△ CUT EDGE

UPPER VIEW



SECTION X -X

LOWER VIEW



CODE	A (mm)	B (mm)	kg
CCHR F	750	600 / 750	21 / 26
CCHR G	900	600 / 750	25 / 31
CCHR A	1200	600 / 750	33 / 40
CCHR B	1500	600 / 750	41 / 50
CCHR C	1800	600 / 750	48 / 60
CCHS D	2000	600 / 750	54 / 66
CCHR P	2200	600 / 750	60 / 73

LARGE WORKTOPS

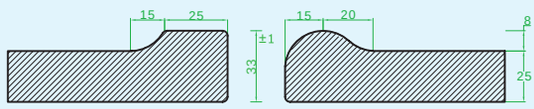
CODE	A (mm)	B (mm)	kg
CCHR G	900	850 / 900	35 / 37
CCHR A	1200	850 / 900	44 / 47
CCHR B	1500	850 / 900	55 / 59
CCHR C	1800	850 / 900	68 / 72
CCHS D	2000	850 / 900	73 / 78
CCHS D	2000	1000	88
CCHS D	2200	1100	107

Lenght, depth and marine edge can be also tailor- made. Simply send us your CAD drawings!

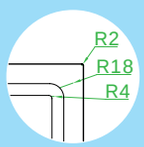
Worktops made of technical ceramic have geometric features tolerances respecting **DIN 12916**.

EU *Worktops* ***H 33 mm*** *Marine Edge*

FRONT EDGE TYPES

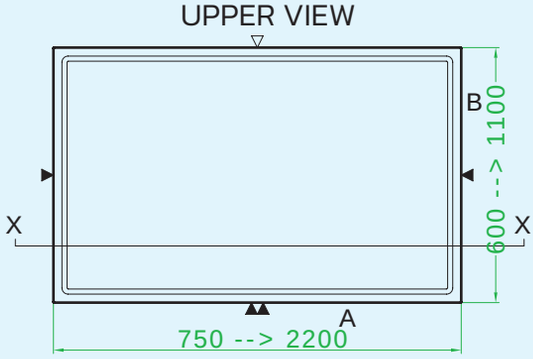


Standard Laminar



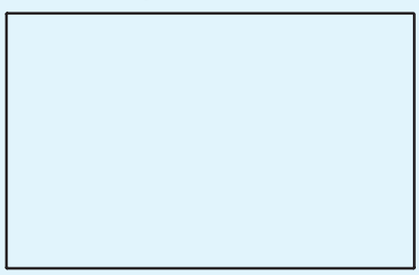
▲▲ GLAZED EDGE
▲ CUT AND COLD ENAMELLED EDGE
△ CUT EDGE

UPPER VIEW



SECTION X -X

LOWER VIEW



CODE	A (mm)	B (mm)	kg
CCHR F03	750	600 / 750	22 / 27
CCHR G03	900	600 / 750	26 / 32
CCHR A03	1200	600 / 750	34 / 42
CCHR B03	1500	600 / 750	42 / 52
CCHR C03	1800	600 / 750	50 / 62
CCHS D03	2000	600 / 750	56 / 69
CCHR P03	2200	600 / 750	63 / 76

LARGE WORKTOPS

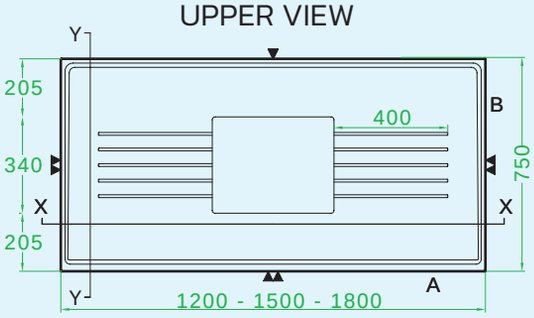
CODE	A (mm)	B (mm)	kg
CCHR G05	900	850 / 900	34 / 39
CCHR A05	1200	850 / 900	45 / 49
CCHR B05	1500	850 / 900	56 / 61
CCHR C05	1800	850 / 900	67 / 74
CCHS D05	2000	850 / 900	76 / 80
CCHS D05	2000	1000	92
CCHS D05	2200	1100	112

Lenght, depth and marine edge can be also tailor- made. Simply send us your CAD drawings!

Worktops made of technical ceramic have geometric features tolerances respecting **DIN 12916.**

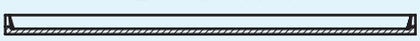
Monoblock *Worktops*

UPPER VIEW



CODE	A (mm)	B (mm)	H (mm)	**h (mm)**	kg
CCHR A33	1200	750	70	**28**	35
CCHR B33	1500	750	70	**28**	45
CCHR C33	1800	750	70	**28**	55

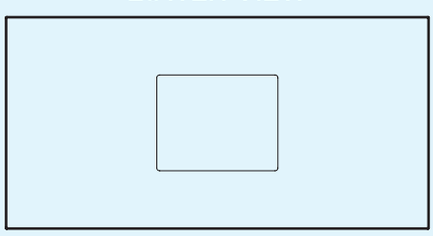
SECTION X -X



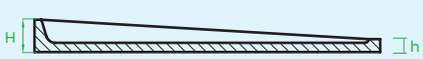
CUTTING EDGE PROTECTION

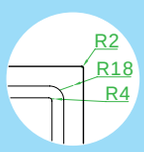
Monoblock Worktops with ultra-protective perimeter edge. Sinks, drainings and fittings on customer's drawings.

LOWER VIEW



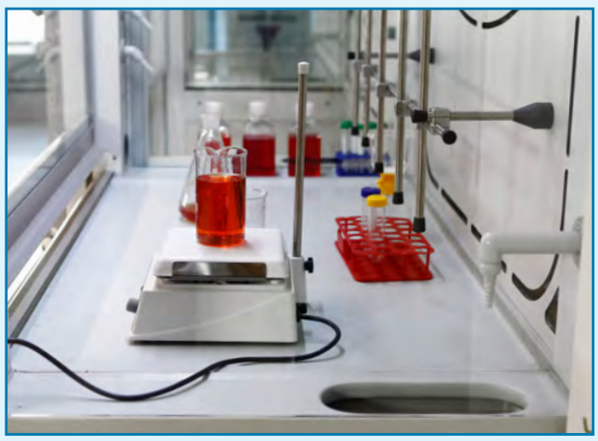
SECTION Y - Y





▲▲ GLAZED EDGE
▲ CUT AND COLD ENAMELLED EDGE
△ CUT EDGE

*Special **"Hi_Tech Hood"** glazed surfaces*



FLAT SUPERLIGHT SURFACES H 10 mm

HIGH-TECH HOOD glazed surfaces have a thickness of only 10 mm and they can be used as acid-resistant inner coatings of hoods.

Large slabs can be shaped and cut to size, with water jet technology, in order to obtain the panels with which to make the internal coatings of hoods.

It is possible to make any kind of opening, regular or special shape to allow the hood the proper flow of suction.

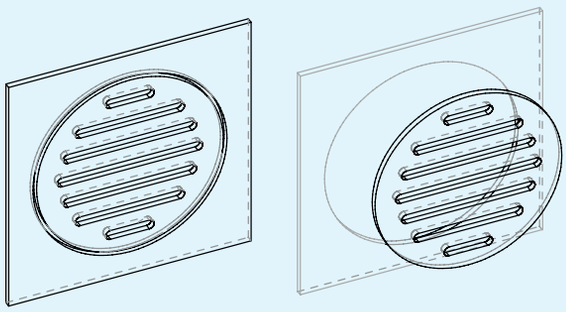
Cut edges can be finished with a special cold-applied enamelling of the same hue of the surface glaze.

Simply send us your CAD drawings!

HIGH-TECH HOOD glazed surfaces have maximum dimensions of a single slab H 10 mm are 2000x1000 mm.

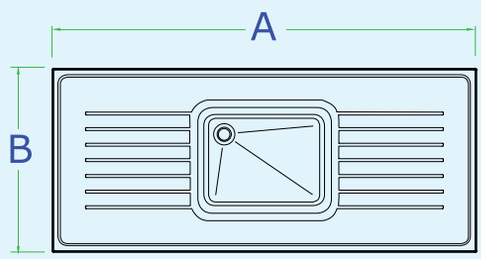
In order to have non standard dimensions of the inner coatings of hoods, panels can be cut and assembled "side by side" with CNC 5 axis bridge saw.

Panels made of technical ceramic have geometric features tolerances respecting **DIN 12916.**

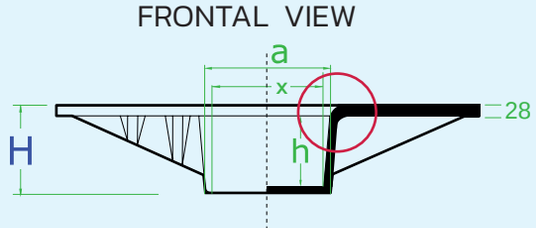


Monoblock *Sinks*

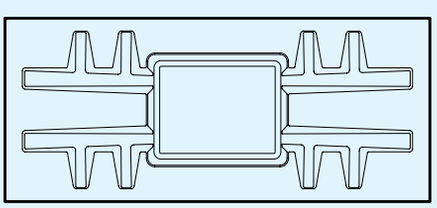
UPPER VIEW



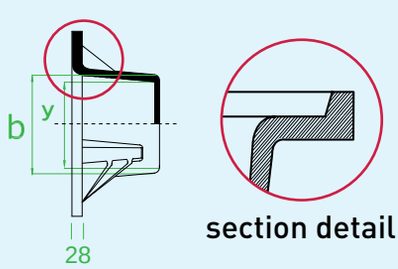
FRONTAL VIEW



LOWER VIEW



LATERAL VIEW



section detail

The **MONOBLOCK** range of sink is designed to have no junctions between the two elements: worktop and sink. A solution that eliminates the most critical area for potential accumulation of dirt where contamination from bacteria and germs can generate. Effective, long lasting and simple sanitation even using detergents with low environmental impact.

The connection between the sink and the worktop is smooth so to maximize the useful dimensions of the sink opening and to eliminate potential breakages of fragile edges during use.

An optimized geometric solution of the load-bearing elements has been designed to obtain the support of worktop suspended parts. To contain the additional weight and maximize the load-bearing effect of the cantilevered parts, the section of the load-bearing elements is made of "boxed profile".

To optimize weight versus maximum load-bearing effect of all the parts of product, the uidity and capability to homogeneously ll very thin sections of **MONOLITE IPERGRES®** technical ceramic have been exploited to the full.

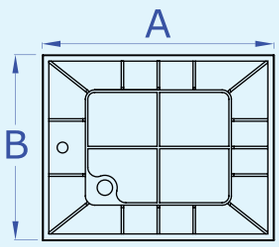
The worktop features a "Marine" rim against over ows along all four sides. An absolutely innovative design solution for a "head bench" of a complex layout of worktops. A double draining helps the easy drainage of the drain water into the sink.

MONOBLOCK SINKS COLLECTION

CODE	A	B	H	**a**	**b**	**h**	x	y	kg
CCHR KB	1500	650	300	**490**	**390**	**250**	410	310	60
CCHR KC	1500	750	300	**490**	**390**	**250**	410	310	70

Mammut *Sinks*

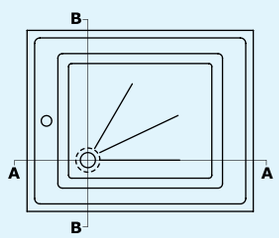
LOWER VIEW



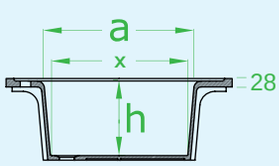
MAMMUT COLLECTION FREE STANDING SINK

CODE	A	B	H	a	b	h	x	y	kg
CCH MH	600	750	270	**430**	**550**	**250**	350	450	27
CCH MF	750	750	270	**530**	**550**	**250**	450	450	31
CCH MG	900	750	270	**750**	**550**	**250**	600	450	36
CCH MA	1200	750	270	**950**	**550**	**250**	730	330	45

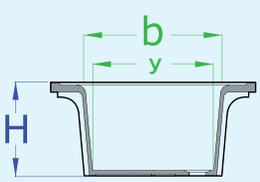
UPPER VIEW



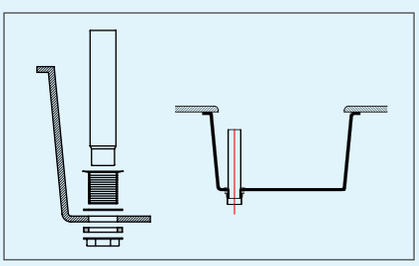
A – A SIDE VIEW



B – B SIDE VIEW



OVER – FLOW SET – TUBE



The **MAMMUT** range of sink is designed to have no junctions between the two elements: worktop and sink. A solution that eliminates the most critical area for potential accumulation of dirt where contamination from bacteria and germs can generate. Effective, long lasting and simple sanitation even using detergents with low environmental impact.

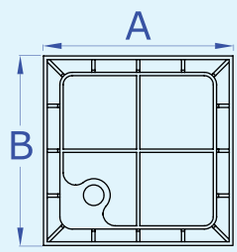
The connection between the sink and the worktop is smooth so to maximize the useful dimensions of the sink opening and to eliminate potential breakages of fragile edges during use.

The worktop features a "Marine" rim against overflows along all four sides.

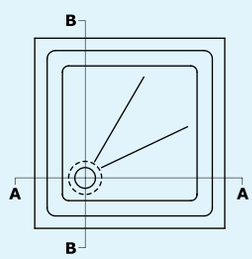
The product walls together with vertical ribs perform a structurally supporting function for the worktop, improving its dimensional stability and flatness. To optimize weight versus maximum load-bearing effect of all the parts of product, the fluidity and capability to homogeneously fill very thin sections of **MONOLITE IPERGRES®** technical ceramic have been exploited to the full.

EU Sinks

LOWER VIEW



UPPER VIEW



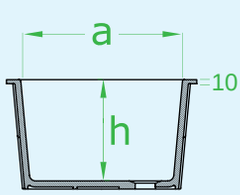
SINKS EXTERNAL OVERFLOW

CODE	A	B	H	a	b	h	kg
CCHA K	420	200	260	**380**	**160**	**250**	6
CCHA H	450	300	260	**390**	**240**	**250**	9
CCHA V	470	470	270	**400**	**400**	**250**	14,5
CCHA X	570	470	270	**500**	**400**	**250**	16
CCHA Y	670	470	270	**600**	**400**	**250**	18,5
CCHA Z*	870	470	270	**800**	**400**	**250**	24

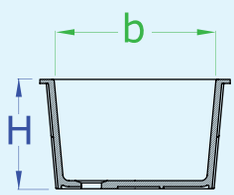
ON TOP – FLUSH – UNDER TOP MOUNTING

(*) ONLY AVAILABLE IN THE UNDER THE TOP VERSION

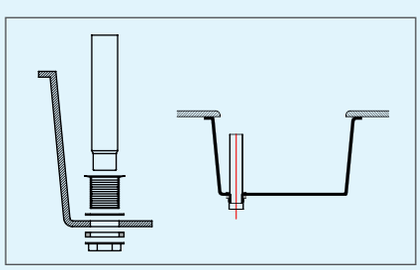
A – A SIDE VIEW



B – B SIDE VIEW



OVER – FLOW SET – TUBE

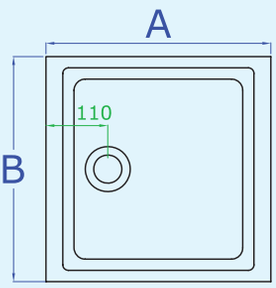


The EU range of sink is designed to ensure high mechanical performance of use, maximum load that the bottom can withstand, but be as light as possible according with the constraints of the production technology.

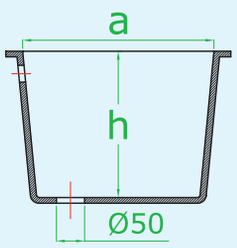
The sinks wall thickness is about 10 mm. To keep these thin walls dimensionally stable, structural ribs are introduced. Sink walls together with vertical ribs perform a structurally supporting function for the really thin upper frame, improving its dimensional stability and flatness.

To optimize weight versus maximum load-bearing effect of all the parts of the sink, the fluidity and capability to homogeneously fi ll very thin sections of **MONOLITE IPERGRES®** technical ceramic have been exploited to the full.

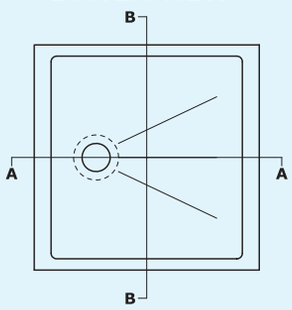
Square *Sinks*



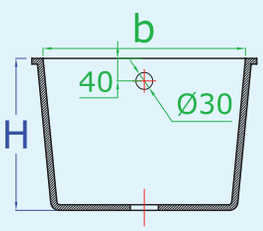
LOWER VIEW



A – A SIDE VIEW



UPPER VIEW

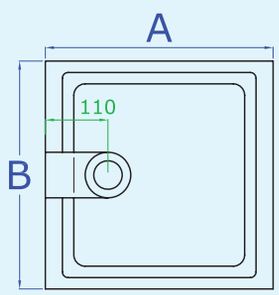


B – B SIDE VIEW

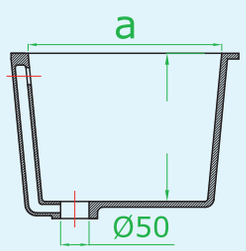
SQUARE SINKS EXTERNAL OVERFLOW

CODE	A	B	H	**a**	**b**	**h**	kg
CCHA C	300	300	200	**255**	**255**	**180**	5,5
CCHA D	400	400	250	**340**	**340**	**230**	9,5
CCHA G	450	450	270	**380**	**380**	**250**	13

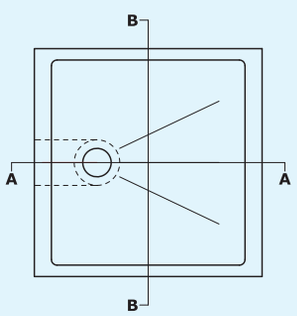
ON TOP – FLUSH – UNDER TOP MOUNTING



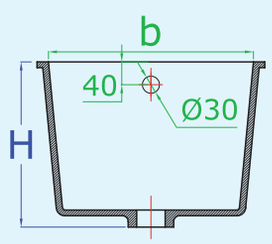
LOWER VIEW



A – A SIDE VIEW



UPPER VIEW



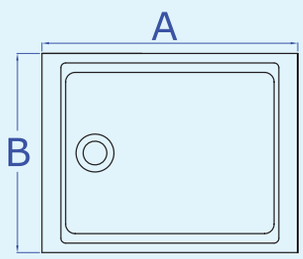
B – B SIDE VIEW

SQUARE SINKS INTEGRATED OVERFLOW

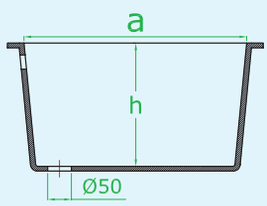
CODE	A	B	H	**a**	**b**	**h**	kg
CCHA D	400	400	290	**340**	**340**	**230**	10
CCHA G	450	450	290	**380**	**380**	**250**	13,5

UNDER TOP MOUNTING

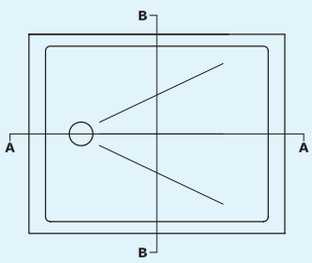
Rectangular *Sinks*



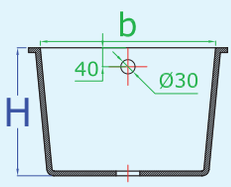
LOWER VIEW



A – A SIDE VIEW



UPPER VIEW



B – B SIDE VIEW

RECTANGULAR SINKS EXTERNAL OVERFLOW

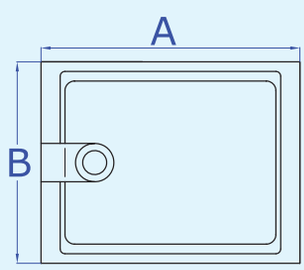
CODE	A	B	H	a	b	h	kg
CCHA E	540	450	270	**470**	**380**	**250**	13,5
CCHA F	645	450	270	**570**	**380**	**250**	17

ON TOP – FLUSH – UNDER TOP MOUNTING

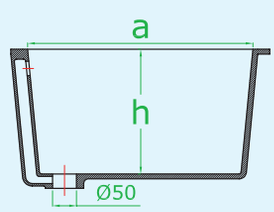
RECTANGULAR SINKS INTEGRATED OVERFLOW

CODE	A	B	H	a	b	h	kg
CCHA E	540	450	310	**470**	**370**	**250**	14

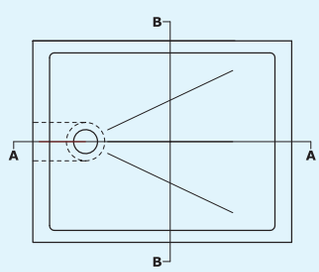
UNDER TOP MOUNTING



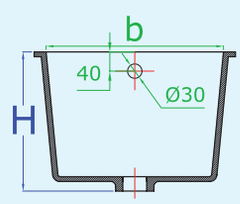
LOWER VIEW



A – A SIDE VIEW

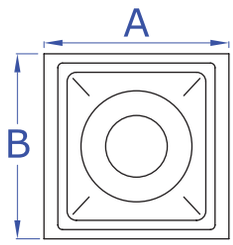


UPPER VIEW

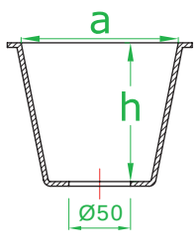


B – B SIDE VIEW

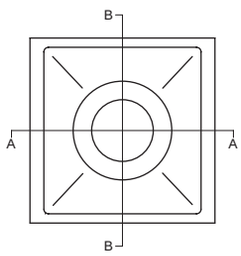
Small & ***Special*** *Sinks*



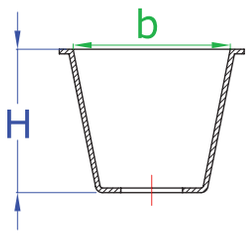
LOWER VIEW



A – A SIDE VIEW



UPPER VIEW



B – B SIDE VIEW

SQUARE AND ROUND SINKS

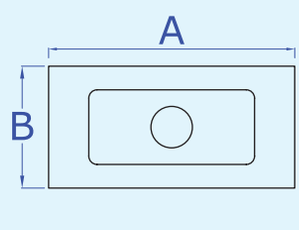
CODE	A	B	H	a	b	h	kg
CCHA P	100	100	100	**85**	**85**	**90**	0,6
CCHA Q	150	150	140	**120**	**125**	**125**	1,2
CCHA A	ø170	-	110	**ø130**	**-**	**90**	0,9

ON TOP – FLUSH – UNDER TOP MOUNTING

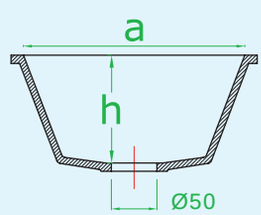
RECTANGULAR SINK

CODE	A	B	H	a	b	h	kg
CCHA B	300	150	145	**260**	**115**	**125**	2,5

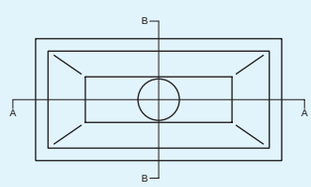
ON TOP – FLUSH – UNDER TOP MOUNTING



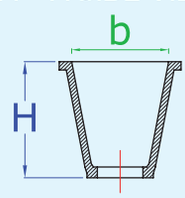
LOWER VIEW



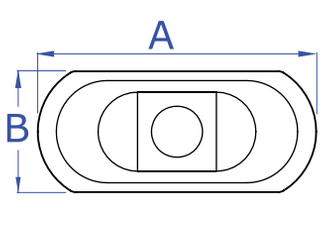
A – A SIDE VIEW



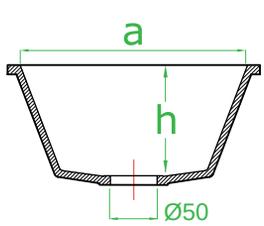
UPPER VIEW



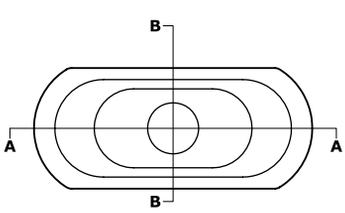
B – B SIDE VIEW



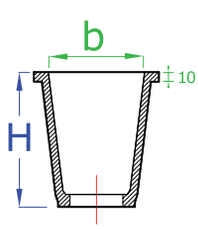
LOWER VIEW



A – A SIDE VIEW



UPPER VIEW



B – B SIDE VIEW

OVAL SINK

CODE	A	B	H	a	b	h	kg
CCHA O	300	135	145	**255**	**105**	**125**	2,5

ON TOP – FLUSH – UNDER TOP MOUNTING

Special "**Hand Washing Station**" Sinks

HAND WASHING STATION

The optimum solution for personal cleaning with maximum hygiene.

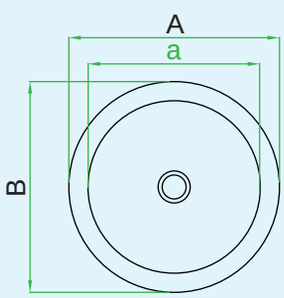
A more welcoming space for the care of the staff can be created in the laboratory environment with specially designed sinks.

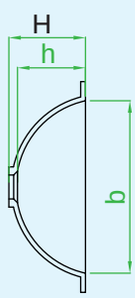
The sinks have ergonomic and functional shapes to optimaze their use and dedicated spaces in working conditions.

The glazed surfaces have an high resistance to acid, bases and organic solvents.

They need only easy and simple sanitation; effective and long-lasting even using detergents with low environmental impact.

The sinks are designed to be used "on top", "under the top" and "flash" mounted, customizable for any needs.

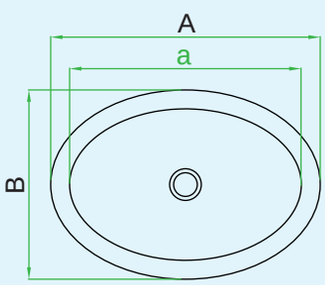


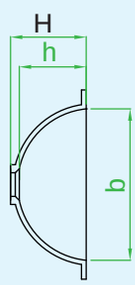


ROUND SINK

CODE	A	B	H	a	b	h	kg
AVGL A	ø460	-	170	**ø380**	**-**	**155**	6,6

ON TOP - FLUSH - UNDER TOP MOUNTING

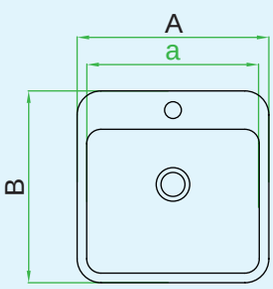


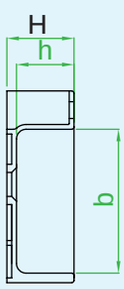


OVAL SINK

CODE	A	B	H	a	b	h	kg
AANL A	570	410	170	**500**	**340**	**155**	7,4

ON TOP - FLUSH - UNDER TOP MOUNTING





SQUARE SINK

CODE	A	B	H	a	b	h	kg
ATEL A	400	400	170	**360**	**280**	**155**	12,5

ONLY ON TOP MOUNTING

Special *"On Top"* Small Sinks

The SPECIAL "ON TOP" SMALL SINKS

Range of sink designed to optimize the "on top" mounting performances and to prevent the accidental spillage of dangerous substances into the drain hole.

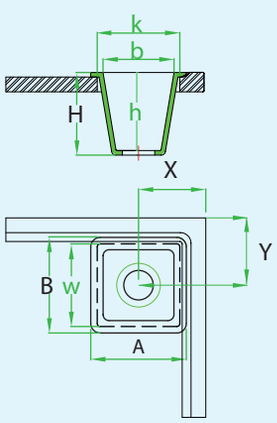
This safety condition can be obtained with sinks having a frame, with a shaped edges, that can couple with the profile of the raised edges of the worktop. In this way a high-relief area on the worktop is created that protect by any accidental spillage.

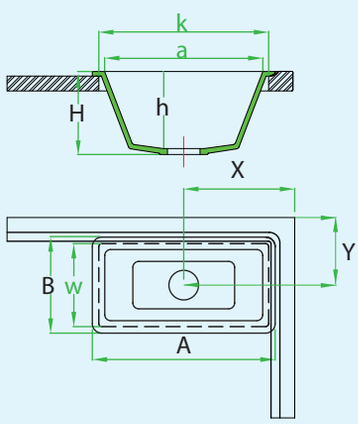
Using epoxy glues it is possible to fix the sink to the worktop and at the same time seal the coupling sides between the raised edges of the top and the frame of the sink.

This solution meets the rigorous specifications of international standards, eliminates the need to specialize an area of the worktop and allows for interesting savings.

The shapes of the edges of the sinks and their positioning with respect to the raised edges of the worktops, are an effective solution to optimize the cleaning of the most critical areas for potential accumulation of dirt where contamination from bacteria and germs can generate.

Effective, long lasting and simple sanitation even using detergents with low environmental impact.

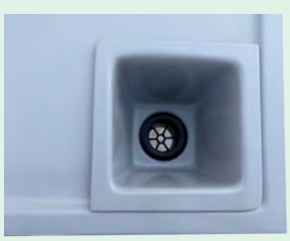




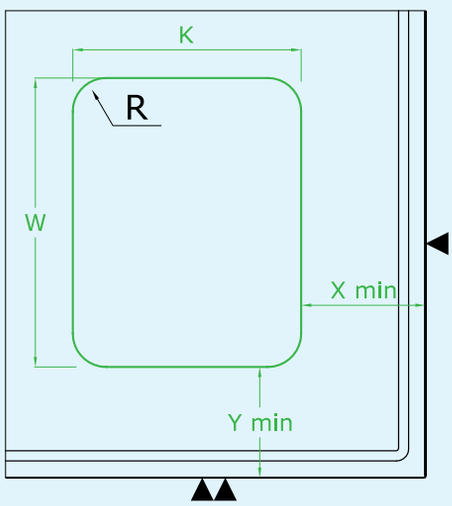
ON TOP Sinks

CODE	A	B	H	a	b	h	W	K	Xmin	Ymin	kg
CCHA R	175	175	145	**125**	**125**	**125**	145	145	114	114	1,5
CCHA S	325	175	145	**260**	**115**	**115**	290	145	122	114	3

ONLY ON TOP MOUNTING

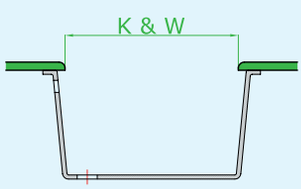


*Sinks – **Under Top** mounting*



▲▲ GLAZED EDGE
▲ CUT AND COLD ENAMELLED EDGE
△ CUT EDGE

UNDER TOP

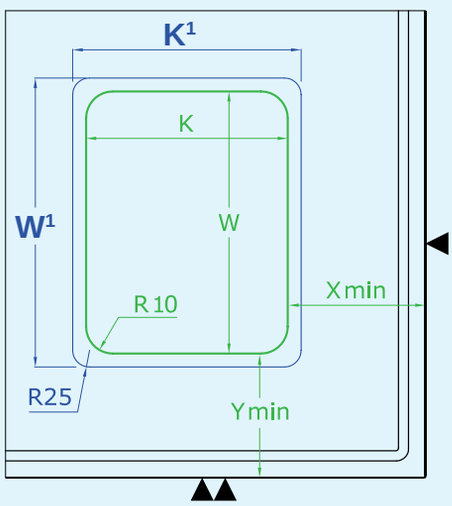


UNDER TOP MOUNTING

CODE	W	K	X min	y min	R
EU Sinks					
CCHA K - 380 x 160 mm	360	140	90	90	20
CCHA H - 390 x 240 mm	370	220	90	90	20
CCHA V - 400 x 400 mm	380	380	90	90	20
CCHA X - 500 x 400 mm	480	380	120	120	20
CCHA Y - 600 x 400 mm	580	380	120	120	20
CCHA Z - 800 x 400 mm	780	380	120	120	20
SQUARE Sinks					
CCHA C - 300 x 300 mm	240	240	70	70	50
CCHA D - 400 x 400 mm	320	320	80	80	50
CCHA G - 450 x 450 mm	350	350	90	90	50
RECTANGULAR Sinks					
CCHA E - 540 x 450 mm	440	350	120	120	50
CCHA F - 645 x 450 mm	540	350	120	120	50
SMALL Sinks					
CCHA P - 100 x 100 mm	75	75	50	50	20
CCHA Q - 150 x 150 mm	110	110	50	50	20
CCHA A - Ø 170 mm	ø120	-	50	50	-
CCHA O - 300 x 130 mm	240	90	60	60	50
CCHA B - 300 x 150 mm	245	100	60	60	50
HAND WASHING STATION Sinks					
AVGL A - Round sink	ø360	-	90	90	-
AANL A - Oval sink	480	320	90	90	_

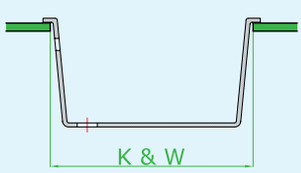
These types of sinks must be fixed on the lower side of a worktop. The sink hole has glazed edges and its dimensions are a bit smaller than the sink ones; this allows an excellent drainage of liquids into the sink. The sinks can be sealed using permanently elastic silicone and they have an unglazed frame to improve silicone bonding. Permanently silicone sealing makes easy a later disassembling of the sink. In order to optimize packing and transportation costs sinks are normally supplied as detached parts. It is possible to assemble the sinks on the worktops before the dispatch.

*Sinks - **On Top** and **Flush** mounting*

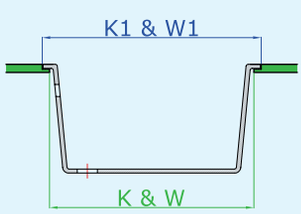


▲▲ GLAZED EDGE
▲ CUT AND COLD ENAMELLED EDGE
△ CUT EDGE

ON TOP



FLUSH MOUNTED



ON TOP & FLUSH MOUNTING

CODE	W	K	X min	y min	W¹	K¹
EU Sinks						
CCHA K - 380 x 160 mm	390	185	70	70	430	210
CCHA H - 390 x 240 mm	410	285	80	80	460	310
CCHA V - 400 x 400 mm	430	430	90	90	480	480
CCHA X - 500 x 400 mm	530	430	120	120	580	480
CCHA Y - 600 x 400 mm	630	430	120	120	680	480
SQUARE Sinks						
CCHA C - 300 x 300 mm	285	285	70	70	310	310
CCHA D - 400 x 400 mm	360	360	80	80	410	410
CCHA G - 450 x 450 mm	410	410	90	90	460	460
RECTANGULAR Sinks						
CCHA E - 540 x 450 mm	500	410	120	120	550	460
CCHA F - 645 x 450 mm	605	410	120	120	655	460
SMALL Sinks						
CCHA P - 100 x 100 mm	90	90	50	50	110	110
CCHA Q - 150 x 150 mm	140	140	50	50	160	160
CCHA A - Ø 170 mm	ø160	-	50	50	ø170	-
CCHA O - 300 x 130 mm	285	120	60	60	310	140
CCHA B - 300 x 150 mm	285	135	60	60	310	160
HAND WASHING STATION Sinks						
AVGL A - Round sink	ø470	-	90	90	ø420	-
AANL A - Oval sink	580	420	90	90	530	370

These types of sinks provide for coupling with the work surface on site. This feature can facilitate and speed up the activity of the assembly of worktops. These sinks have a glazed frame and can be mounted in two way: **Top-mounted** & **Flush-mounted.**
Sinks are **Top-mounted** in Water Jet cut shaped holes, so with unglazed edge.
Sinks are **Flush-mounted** in a stepped and shaped holes. If the hole is machined by a CNC milling machine, its edge is unglazed. The external profile of the glazed sink frame can be adjusted to measure by a Water Jet cut.

LP srl
Via della produzione, 94
61025 Montelabbate [PU]
P.Iva e C.F. 02693650414

www.monolite.com