



# ITAL KOL

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A hand wearing a white glove is holding a long, thin metal rod against a textured, grey concrete wall. The rod is positioned diagonally across the frame. The background is a dark, textured surface, possibly a wall or ceiling, with a vertical metal rod or pipe visible on the right side.

“

There is  
something  
special when  
**creative people**  
get together.

”

# IK-20

## Tile Adhesive

A dry, premixed, Gray Portland cement-based tile adhesive, with selected aggregates and specific additives to improve adhesion and workability. Used to lay different kinds of tiles such as ceramics and porcelain in outdoor environments.

### USE

This material is used for laying pavement surfaces with different ceramic tiles. It should not be applied on gypsum, wood or metal surfaces.

It's also used on concrete surfaces and self-leveling.

### SURFACE PREPARATION

The application surface should be free from dust and dirt. Oil, wax or grease waste must be removed beforehand by wiping or scraping. Fresh adhesive must be protected from rain or strong sunlight for at least 24 hours. IK-20 Tile adhesive is used without applying added materials. For each bag of 25 Kg IK-20 Tile adhesive add 6-6.5 liters of clean water and mix by means of a trowel or with low speed mechanical mixer to achieve a grain less homogeneous mass. The material must rest for 5 min before proceeding with the application phase.

Remix with a trowel and apply adhesive with a serrated spatula. Application thickness is regulated by the serrated spatula. It is not necessary to wet the tiles beforehand.

The tiles are applied by using slight pressure and a cautious hit so that the surface comes in contact with the adhesive. Laying of tiles should be performed within 40-50 min. from the application. Depending on the type of tile the material can also be applied to the whole surface of the tile to provide better adhesion.



## PACKAGING

The item is packed in 20 and 25 Kg bags with a protective layer from humidity.

## STORAGE

To be stored in a dry place not more than 12 months.

TECHNICAL DATA	
Form	Cementitious mortar
Colors	grey, white
Water demand	6.00 l/25 kg bag
Application temperature	from +5°C to +35°C
Application thickness	up to 10 mm
Pot life	at least 6 h
Open time	at least 20 min

MINOR ADJUSTMENTS	
Open time	at least 30 min
Pointing on walls	after 3-8 h
Pointing on floors	after 24 h

**DHESIVE STRENGTH AFTER:**

- 28 days:  $\geq 1.00 \text{ N/mm}^2$
- heating in +70°C:  $\geq 0.50 \text{ N/mm}^2$
- immersion in water:  $\geq 0.50 \text{ N/mm}^2$
- 25 freeze-thaw cycles:  $\geq 0.50 \text{ N/mm}^2$





# IK-30

Tile Adhesive

Gray cement based tile adhesive, certified to 12004 European standard for adhesion, with high resistance to vertical tile sliding. Mono component material with very low amounts of organic substances and totally recyclable raw material.

IK-30 has long lasting workability and adapts to all conditions of application, and for all types of ceramic tiles laid on cement and mineral based supports.

## USE

This material is used in outdoors for **facades and floors as well**. It can be used on concrete and self-leveling, over traditional mortar. IK-30 can also be applies above Capot systems.

This material can be used to cover pavement surfaces with different ceramic tiles, porcelains, various mosaics, marble tiles of various dimensions, higher absorption tiles, etc.

It can be used in interior and exterior floors and walls, in residential, business and industrial environments, and in areas with very low to near freezing temperatures. Not for use in gypsum in plastic surfaces, metal and wood, wet substrate or a substrate with a trend of increasing humidity, and in environments with continuous presence of water.

## SURFACE PREPARATION

Substrate must be clean from dust, oils or wax, no humidity should be present and no damaged part of substrate should be left unrepaired. The substrate must be stable without sewers and must have passed the stage of hygrometric withdrawal. Possible sewers or surface cracks on the layers should be repaired prior to usage of leveling products or strong sunlight for at least 24h.

IK-30 should be used without adding other materials. Mix in a clean container adding about  $\frac{3}{4}$  water of the total product quantity needed. Material must be poured slowly and mixed with a mechanical mixer with low laps. Water is added until a material with the desired consistency and homogeneous mass is created. It is possible to achieve a mixture with more or less consistency depending on the thixotropic based application that will be needed.

Application is carried out with a serrated spatula, based on the size and type of tile. At first open a thin layer of material with the flat side of the spatula to regulate the absorption of substrate. In cases of application on external environments and places of high human traffic, apply a double layer of the material to make sure that 100% of the slab is covered in the material.



## PACKAGING

The item is packed in 20 and 25 Kg bags with a protective layer from humidity.

## STORAGE

To be stored in a dry place not more than 12 months.

TECHNICAL DATA	
Form	Cementitious mortar
Colors	grey, white
Water demand	6.75 kg/25 kg bag
Application temperature	from +5°C to +35°C
Application thickness	up to 15 mm
Pot life	at least 6 h
Open time	at least 30 min

MINOR ADJUSTMENTS	
Open time	at least 30 min
Pointing on walls	after 3-8 h
Pointing on floors	after 24 h
Slip:	≤ 0.5 mm

**ADHESIVE STRENGTH AFTER:**

- 28 days: ≥ 1.20 N/mm<sup>2</sup>
- heating in +70°C: ≥ 1.20 N/mm<sup>2</sup>
- immersion in water: ≥ 1.00 N/mm<sup>2</sup>
- 25 freeze-thaw cycles: ≥ 1.10 N/mm<sup>2</sup>



# IK-40

Marble Adhesive

Gray cement based tile adhesive, certified to 12004 European standard for adhesion, with high resistance to vertical tile sliding. Mono component material with very low amounts of organic substances and totally recyclable raw material. IK-40 MARBLE ADHESIVE has long lasting workability and adapts to all conditions of application, and for all types of ceramic tiles laid on cement and mineral based supports.

## USE

This material is used in outdoors for facades and floors as well. It can be used on concrete and self-leveling, over traditional mortar. IK-40 MARBLE ADHESIVE can also be applied above Capot systems. This material can be used to cover pavement surfaces with different ceramic tiles, porcelains, various mosaics, marble tiles of various dimensions, higher absorption tiles, etc

It can be used in interior and exterior floors and walls, in residential, business and industrial environments, and in areas with very low to near freezing temperatures. Not for use in gypsum in plastic surfaces, metal and wood, wet substrate or a substrate with a trend of increasing humidity, and in environments with continuous presence of water.

## SURFACE PREPARATION

Substrate must be clean from dust, oils or wax, no humidity should be present and no damaged part of substrate should be left unrepaired. The substrate must be stable without sewers and must have passed the stage of hygrometric withdrawal. Possible sewers or surface cracks on the layers should be repaired prior to usage of leveling products. Fresh adhesive must be protected from rain or strong sunlight for at least 24h. IK-40 MARBLE ADHESIVE should be used without adding other materials. Mix in a clean container adding about  $\frac{3}{4}$  water of the total product quantity needed. Material must be poured slowly and mixed with a mechanical mixer

with low laps. Water is added until a material with the desired consistency and homogeneous mass is created. It is possible to achieve a mixture with more or less consistency depending on the thixotropic based application that will be needed.

Application is carried out with a serrated spatula, based on the size and type of tile. At first open a thin layer of material with the flat side of the spatula to regulate the absorption of substrate. In cases of application on external environments and places of high human traffic, apply a double layer of the material to make sure that 100% of the slab is covered in the material.





Apply tiles making a slight movement under pressure and hit carefully so that the tile surface is in full contact with the adhesive. Any movement of the tiles must be avoided 40-50 min after the application.

## STORAGE

To be stored in a dry place not more than 12 months.

## PACKAGING

The item is packed in 20 and 25 Kg bags with a protective layer from humidity.

TECHNICAL DATA	
Form	Cementitious mortar
Colors	grey, white
Water demand	6.75 kg/25 kg bag
Application temperature	from +5°C to +35°C
Application thickness	up to 15 mm
Pot life	at least 6 h
Open time	at least 30 min

MINOR ADJUSTMENTS	
Open time	at least 30 min
Pointing on walls	after 3-8 h
Pointing on floors	after 24 h
Slip:	≤ 0.5 mm

**ADHESIVE STRENGTH AFTER:**

- 28 days: ≥ 1.20 N/mm<sup>2</sup>
- heating in +70°C: ≥ 1.20 N/mm<sup>2</sup>
- immersion in water: ≥ 1.00 N/mm<sup>2</sup>
- 25 freeze-thaw cycles: ≥ 1.10 N/mm<sup>2</sup>



# IK-50

## Swimming Pool Tile Adhesive

Gray cement based tile adhesive, certified to 12004 European standard for adhesion, with high resistance to vertical tile sliding. Mono component material with very low amounts of organic substances and totally recyclable raw material. IK-50 SWIMMING POOL TILE ADHESIVE has long lasting workability and adapts to all conditions of application, and for all types of ceramic tiles laid on cement and mineral based supports.

### USE

This material is used in outdoors for facades and floors as well. It can be used on concrete and self-leveling, over traditional mortar. IK-50 Swimming pool Tile Adhesive can also be applied above Capot systems. This material can be used to cover pavement surfaces with different ceramic tiles, porcelains, various mosaics, marble tiles of various dimensions, higher absorption tiles, etc.

It can be used in interior and exterior floors and walls, in residential, business and industrial environments, and in areas with very low to near freezing temperatures. Not for use in gypsum in plastic surfaces, metal and wood, wet substrate or a substrate with a trend of increasing humidity, and in environments with continuous presence of water.

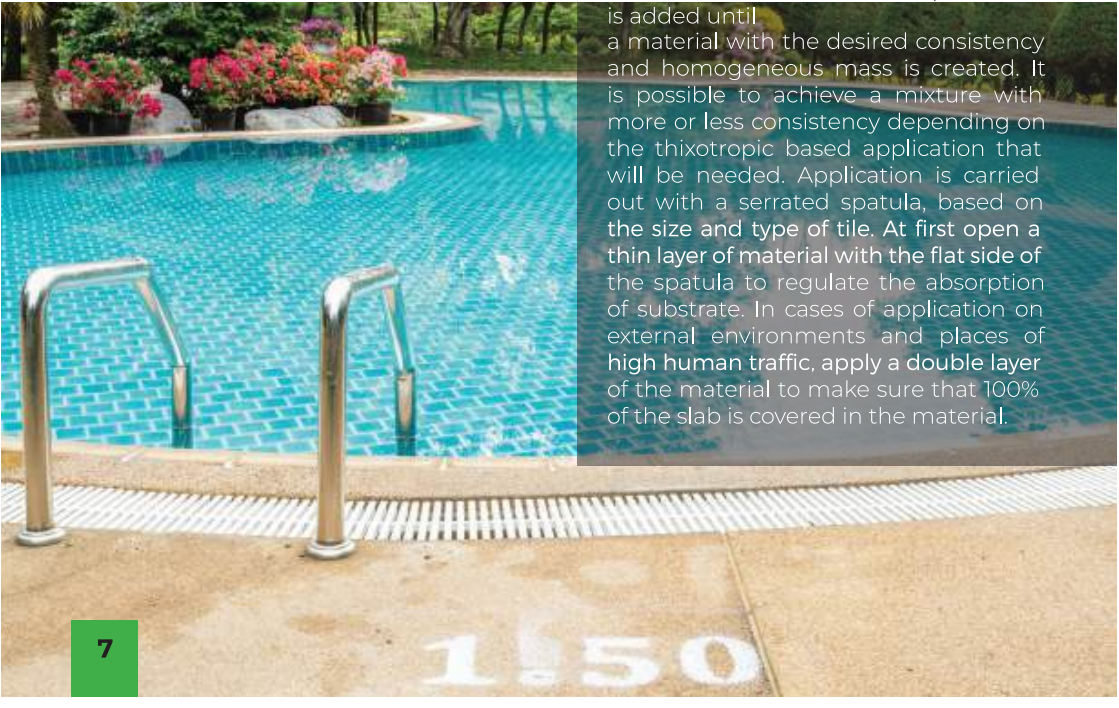
### SURFACE PREPARATION

Substrate must be clean from dust, oils or wax, no humidity should be present and no damaged part of substrate should be left unrepaired. The substrate must be stable without sewers and must have passed the stage of hygrometric withdrawal. Possible sewers or surface cracks on the layers should be repaired prior to usage of leveling products.

Fresh adhesive must be protected from rain or strong sunlight for at least 24h.

IK-50 Swimming pool Tile Adhesive should be without adding other materials. Mix in a clean container adding about  $\frac{3}{4}$  water of the total product quantity needed. Material must be poured slowly and mixed with a mechanical mixer with low laps. Water is added until

a material with the desired consistency and homogeneous mass is created. It is possible to achieve a mixture with more or less consistency depending on the thixotropic based application that will be needed. Application is carried out with a serrated spatula, based on the size and type of tile. At first open a thin layer of material with the flat side of the spatula to regulate the absorption of substrate. In cases of application on external environments and places of high human traffic, apply a double layer of the material to make sure that 100% of the slab is covered in the material.



Apply tiles making a slight movement under pressure and hit carefully so that the tile surface is in full contact with the adhesive. Any movement of the tiles must be avoided 40-50 min after the application.

**PACKAGING**

The item is packed in 20 and 25 Kg bags with a protective layer from humidity.

**STORAGE**

To be stored in a dry place not more than 12 months.

TECHNICAL DATA	
Form	Cementitious mortar
Colors	grey, white
Water demand	7.00 l/25 kg bag
Application temperature	from +5°C to +35°C
Application thickness	up to 15 mm
Pot life	at least 6 h
Open time	at least 30 min

MINOR ADJUSTMENTS	
Open time	at least 30 min
Pointing on walls	after 3-8 h
Pointing on floors	after 24 h
Slip:	≤ 0.5 mm

**ADHESIVE STRENGTH AFTER:**

- 28 days: ≥ 2.00 N/mm<sup>2</sup>
- heating at +70°C: ≥ 2.00 N/mm<sup>2</sup>
- immersion in water: ≥ 1.20 N/mm<sup>2</sup>
- 25 freeze-thaw cycles: ≥ 1.20 N/mm<sup>2</sup>





# IK-UNIVERSAL

Multi purpose mortar

Gray cement based material for indoor and outdoor purpose. Used as a waterproofing material and environments with tendency to humidity. It can be use also as a adhesive material for thermal insulation systems. It has very good adhesion on surfaces and in those which are problematic as a very smooth concrete and Styrofoam. It can be applied manually.

## USE

Used for interior and exterior decoration of different premises, whether residential or commercial facilities. It is used on various traditional surfaces, it has better results if it used on pre-mixed products.

## SURFACE PREPARATION

The application surface should be free from dust and dirt. Oil, wax, grease

It waste must be removed by wiping or scraping. It is advisable to use material from the same batch for any work to be performed. Material should be applied only on dry mortar. Avoid application on the façade when there is strong wind or strong sunlight. Avoid application during the coldest and humid times of the year. Minimum application temperature is 5°C and the maximum of 40°C. Each bag of 25 Kg IK UNIVERSAL should be mixed by hand or with mechanical mixer until a homogeneous mass is reached and there are no grains. Mixing time should not exceed 3 minutes. It is advised to use the same amount of water for each bag. After mixing with water the material should rest for 10 minutes before application. Mixed material must be used within 1 hours, and if necessary mixed occasionally. Spread the material with a metal screed in a uniform layer. Application of the material can be made by dividing the support surface in small areas, not letting the material dry.



Apply tiles making a slight movement under pressure and hit carefully so that the tile surface is in full contact with the adhesive. Any movement of the tiles must be avoided 40-50 min after the application.

### PACKAGING

The item is packed in 25 Kg bags with a protective layer from humidity.

### STORAGE

To be stored in a dry place not more than 12 months.

TECHNICAL DATA	
Form	Cementitious mortar
Colors	grey, white
Water demand	7.00 l/25 kg bag
Application temperature	from +5°C to +35°C
Application thickness	up to 15 mm
Pot life	at least 6 h
Open time	at least 30 min

MINOR ADJUSTMENTS	
Open time	at least 30 min
Pointing on walls	after 3-8 h
Pointing on floors	after 24 h
Slip:	≤ 0.5 mm
<b>ADHESIVE STRENGTH AFTER:</b>	
<ul style="list-style-type: none"> <li>• 28 days: ≥ 2.00 N/mm<sup>2</sup></li> <li>• heating at +70°C: ≥ 2.00 N/mm<sup>2</sup></li> <li>• immersion in water: ≥ 1.20 N/mm<sup>2</sup></li> <li>• 25 freeze-thaw cycles: ≥ 1.20 N/mm<sup>2</sup></li> </ul>	



# TILE GROUT

## TILE GROUT

is suitable for tile joints 1-8mm wide and is **exceptionally easy to use on walls and floors.**

- Excellent workability
- Strong uniform colour
- Easier to use
- **Smooth finish, flush joints**
- Mould resistant and water repellent

Joint Width

1mm to 8mm

Form	Cementitious mortar
Colors	35
Water demand	1.10 l/4 kg bag
Bulk density of dry mortar	1.18 0.05 kg/l
Bulk density of fresh mortar	1.95 0.05 kg/l
Application temperature	from +5°C to +35°C
Abrasion resistance	≤ 1000 mm <sup>3</sup>

## Tile Types

Ceramic and porcelain tiles, terrazzo, slate, quarry tiles, moisture insensitive natural stones and mosaics

Location

Internal, External

(Swimming pools use No. 200 White mixed with TILE GROUT

Surfaces Floors, Walls

Pack Sizes

3kg, 5kg, 15kg with a metal screed in a uniform layer. Application of the material can be made by dividing the support surface in small areas, not letting the material dry.

## STORAGE

### COMPRESSIVE STRENGTH AFTER

- 28 days: 30.00 N/mm<sup>2</sup>
- 25 freeze-thaw cycles: 30.00 N/mm<sup>2</sup>







# HIDROSTOP

Two Component Undertile  
Waterproofing Membrane

## USE

HIDROSTOP is a tough, rapid drying two component waterproofing membrane specifically designed for use under tiles.

- Rapid drying time – can be tiled over in 16-24 hrs
- Fibre reinforced – no need for reinforcing mat
- Green Star – meets the benchmark for VOC credit in the Green Building Council of Australia's Rating Tools Location Internal and external wet areas, balconies, decks, and other areas that will be tiled or otherwise protected by regular foot traffic. Suitable for permanent immersion (when tiled over). Substrates

Concrete, renders and screeds, fibre cement, plasterboard, plywood.  
Not recommended for external applications.

Coverage

40kg kit covers approx 16m<sup>2</sup> to 24m<sup>2</sup> (2 coats)

Floors 16m<sup>2</sup> (2 coats) D.F.T. – 1.2mm

Walls 24m<sup>2</sup> (2 coats) D.F.T. – 0.8mm

## STORAGE

### COLOURS

Liquid – White

Powder – White

Drying times

Recoat time: 1-2 hrs

Ready to tile: 16-24 hrs

Full cure: 3 days

VOC content

25g/L

Packaging

(8kg/gallon) or (20kg bag)

## TECHNICAL DATA

	Component A	Component B
Basis:	cementitious powder	acrylic polymer dispersion
Mixing	3 parts by weight	1 part by weight

Mixing time: 3 min

Compressive strength:

(EN 196-1): 17.50±2.50 N/mm<sup>2</sup>

Flexural strength:

(EN 196-1): 8.50±1.50 N/mm<sup>2</sup>

Adhesion

(EN 1542): ≥ 1.0 N/mm<sup>2</sup>

Permeability to CO<sub>2</sub>: 145 m

(EN 1062-6 Method A,  
requirement: Sd > 50m)



+





# IK-GRAFIATO

Wall Decorative Render

A wall coating material consisting of hydraulic binders, hydrated lime, selected aggregates (with dimensions of 1.5 mm, 2 mm, 3 mm), hydro-isolating materials and other additives to improve workability and adhesion.

## USE

Used for interior and exterior decoration of different premises, whether residential or commercial facilities. It is used on various traditional surfaces, it has better results if it is used on pre-mixed products. It is the material that seals a thermo isolating capote system. It should not be used on gypsum, Styrofoam or previously painted surfaces.

## SURFACE PREPARATION

The application surface should be free from dust and dirt. Oil, wax, grease waste must be removed by wiping or scraping. For surfaces which tend to absorb water or are very smooth (even normal surface) it is advisable to use a surface leveler beforehand.

This way of application is used to extend the drying time, this in cases when the surface which the material will be applied on is not leveled properly. It is used also to ensure a better adhesion of the surface waterproofing. It is advisable to use material from the same batch for any work to be performed. Material should be applied only on dry mortar. Avoid application on the façade when there is strong wind or strong sunlight. humid times of the year. Minimum application temperature is 5°C and the maximum of 40°C. For each bag of 25 Kg IK-GRAFIATO add 6.5-7 liters of clean water and mix by hand or with mechanical mixer until a homogeneous mass is reached and there are no grains. Mixing time should not exceed 3 minutes. It is advised to use the same amount of water for each bag. After mixing with water the material should rest for 10 minutes before application. Mixed material must be used within 2 hours, and if necessary mixed occasionally. Spread the material with a metal screed in a uniform layer. Application of the material can be made by dividing the façade surface in small areas, not letting the material dry



Final finish is done by a plastic sponge with various strokes according to the desired design. For ease of use and not to let the material dry quickly it is advised to divide the total surface area into smaller parts. Repeat the same pattern of scraping strokes over the entire surface to achieve a uniform appearance.

## PACKAGING

The item is packed in 25 Kg bags with a protective layer from humidity.

## STORAGE

To be stored in a dry place not more than 12 months.

TECHNICAL DATA	
Form	Cementitious mortar
Colors	White, grey, light grey, light
Water demand	2 h at +20°C
Bulk density of dry mortar	1.45 ± 0.10 kg/l
Bulk density of fresh mortar	1.80 ± 0.10 kg/l
Compressive strength	≥ 22.0 N/mm <sup>2</sup>
Flexural strength	≥ 6.0 N/mm <sup>2</sup>

MINOR ADJUSTMENTS	
Chloride ion content	0.00 %
Adhesion	≥ 1.3 N/mm <sup>2</sup>
Thermal compatibility Part 1 (50 freeze-thaw cycles):	≥ 1.2 N/mm <sup>2</sup>
Capillary water absorption	0.34 kg·m-2·h <sup>0.5</sup>
<b>ADHESIVE STRENGTH AFTER:</b>	
· 28 days: ≥ 2.00 N/mm <sup>2</sup>	
· heating at +70°C: ≥ 2.00 N/mm <sup>2</sup>	
· immersion in water: ≥ 1.20 N/mm <sup>2</sup>	
· 25 freeze-thaw cycles: ≥ 1.20 N/mm <sup>2</sup>	



# IK-FINO

Skim plaster for concrete

## Surface preparation and Application

The surfaces must be level, uniform and humid. Before applying, remove any dust, efflorescence and traces of disarming, by washing with pressure washer. Surface preparation and Application The surfaces must be level, uniform and humid. Before applying, remove any dust, efflorescence and traces of disarming, by washing with pressure washer. For the application, proceed as follows: Verify that the **surface is wet or moisten if necessary; fill** all joints or irregularities exceeding 10 mm at least 48 hours before application, with the same IK-FINO. Mix 100 kg of product with 27 liters of water, stir well, avoiding excessive air incorporation. The dough prepared as such should be left to stand for 15 minutes. Apply with metallic spatula into two or more coats, crossing the direction of application.

The material thus applied may be finished with a plastic float to obtain the so-called "crushed finishing" or, it may **also be finished with the sponge float**, dampened if necessary, to obtain an area without seams and overlappings. If the application is made on particularly absorbent concrete, apply PRG10 diluted 1:10 as insulation.insulation.

## Specifications

The surfaces which need to be finished must be clean, free of dust, efflorescence, oils, fats and disarming. Each incoherent or unstable part should be removed or consolidated. Fill the joints or any irregularities exceeding 10 mm with at least 24-48 hours before application, with IK-FINO skim plaster from oils, fats and disarming. Each incoherent or unstable part should be removed or consolidated. Fill the joints or any irregularities exceeding 10 mm with at least 24-48 hours before application, with IK-FINO skim plaster



Fornaci Calce ITALKOL. Once the surface prepared, moistened if necessary, apply the same IK-FINO, dry premix based on carefully selected inerts, hydraulic binder and special additives aimed at improving workability and grip, at a rate of 1.5-2 kg/ m<sup>2</sup> for each mm. of thickness. The finishing must be carried out while the product is still plastic, by succesively moistening the surface of the applied material and then smoothing it with a sponge float, until a fine finish is obtained.

### TECHNICAL DATA

Specific weight	1.550 kg/m <sup>3</sup> determined in free fall
1.550 kg/m <sup>3</sup> determined in free fall	< 0,6 mm
Plastic withdrawal	Absent in standard thermohygro-metric conditions
Water in the mix	Approx. 27%
Consumption	1,5-2 kg/m <sup>2</sup> for 1 mm. thickness

### PACKAGING

The item is packed in 25 Kg bags with a protective layer from humidity.

### STORAGE

To be stored in a dry place not more than 12 months.

Application thickness	Between 2 and 8 mm.
Mechanical resistance to flexion at 28 days	4 N/mm <sup>2</sup>
Mechanical resistance to compression at 28 days	12 N/mm <sup>2</sup>
Water vapor permeability $\mu$	12
Grip to brick	1,0 N/mm <sup>2</sup>
Fracture type (FP)	A
Water absorbtion	W1
Fire resistance	A1 class
Thermal conductivity	0,72 W/mK (tabulated value)





# IK-STUCCO

Skimming Powder smooth ceiling and walls finishes.

## Technical features

Plastering stucco consisting of white cement, hydrated lime, white marble powder, resins and special additives. Characterized by a workability and easy opening and without vertical slipperiness which facilitates application through vertical surface. Used for interior and exterior environments Allows a thickness of 1 to 3 mm for each hand. Easily scoured with sandpaper and gives a smooth ceiling and wall finishes. It is in conformity with EN 998-1 rate

## Scope of use

For walls plastering and ceilings filled with traditional mortar or mortar prepared with lime-based cement. Concrete surfaces plastering. Plastering of gypsum card walls and ceiling

## Important notes

Do not add other components such as cement or lime in a given product. Do not apply the product on painted surfaces. Do not apply the product on supports coated with plastic. Should not be applied in a thickness greater than 5 mm. Do not add water to the composition after it has been prepared. Should be applied at temperatures from +50 C to +350 C

## Reinforcement with LATEX

To improve adhesiveness, water resistant, plasticity, elasticity, mechanical strength, etc. The IK-Stucco can be reinforced with the additive LATEX. Mixing ratio is 1:5 in water.

## Mixture Preparation

Mix 15 kg putty plaster with 4.5-5 litre of water with electrical mixing with a small number of rotations until you get a homogeneous mass. It is recommended that the obtained mass be left in peace for about 5 minutes and mix again before use.

## The preparation of the Support

The supports characterized of a interchanges bigger than 3mm must be levelled in advance before applying the stucco. The support where the product will be applied must be free of foreign materials such as fats, varnishes, paints etc. The support must be wet with water before applying the product

## Product's Application Method

Spread the product on a surface with a smooth IK-Stucco to provide a complete spreading and covering of the surface. The product is applied up to a thickness of 3 mm from one to two applications.



## PACKAGING

The item is packed in 20 Kg bags with a protective layer from humidity.

## Cleaning

The cleaning of the working tools and hands must be done during the time when the product is totally dried.

### TECHNICAL DATA (AT 230C AND 50% U.R)

Form	Powder
Color	White
Preservation	12 months in original packing at a dry place
Combustibility	Incombustible
Water demand	5.5-7 litre water for 25 kg IK-Stucco
Powder density	3 mm
Mixture	pH 12

## STORAGE

To be stored in a dry place not more than 12 months.

Pot life	3-4 hours
Temperature of application	+50C to +350C
Maximum thickness for a layer	1 mm
Waiting time for the application of the second layer	After 60-90 min
Waiting time for rubbing	24 hours
Waiting time for painting	3-4 weeks

### FINAL DATA

Compression strength after 28 days	4,5 N/mm <sup>2</sup> t
Flexural strength after 28 days	≥ 1,7 N/mm <sup>2</sup>
Adhesive strength in concrete	≥ 0,5 N/mm <sup>2</sup>
Combustibility	Incombustible
Consume	1 kg/ m <sup>2</sup> per mm thickness
Packing	IK-Stucco sacks of 15 kg



# CONCRETE HARDENER

Premixed Colored Hardener  
for Industrial Floors

## APPLICATION

The application can be done manually or with special vending machines, making sure to cover the concrete substrate with a constant amount of hardener; from 3 kg to 6 kg per square meter.

## DESCRIPTION

IK-CONCRETE HARDENER is a quartz-based mineral hardener for the protection and finishing of industrial floors with excellent resistance to abrasion. For concrete substrates it is applied manually or with vending machines, using the "fresh on fresh" method. For indoor and outdoor floors with medium-heavy traffic.

The colors and grain sizes of this folder are to be considered indicative and therefore cannot be taken as an absolute reference of correspondence. It is also advisable to check the suitability of the individual products for their intended use.

## TECHNICAL DATA

Appearance	Powder
Color	Gray, red, Brown
Volume in powder	1450 kg/m <sup>3</sup>
Granulometria/ Grain size	2,5 mm Aggregate
Content in SiO <sub>2</sub>	> 96%
Aggregate hardness	> 7 scala Mohs
Packaging	25 kg paper bags



## WARNINGS

- Perform applications with temperatures between + 5 ° C and + 30 ° C.
- Perform applications only on fresh concrete and not in the initial setting phase.
- Do not apply in the presence of full sun and strong wind.
- In hot weather it is advisable to **protect the floors for at least a couple of days** with protective waterproof sheets, moistening the treated surfaces with water in the days following the **execution of the floor**.
- Ensure the correct composition and performance characteristics of the concrete supplied for the execution of **the industrial floor before laying the hardener**.
- The premix contains powders. When handling, the use of suitable masks is recommended.





# MAXIMIZER

## PREPARATION OF THE SURFACE

The supports on which the product will be applied must be free from all dust, grease, oils, residues of Fino, paints etc.

## MAXIMIZER

Is an additive for the improvement cement- based mortars

## DESCRIPTION

Maximizer is a synthetic polymer, to improve the cement-based mortar and concrete layers

## MAXIMIZER APPLICATION

- As a bonding layer between old and new concrete or mortar.
- For the improvement of mortar or lime and cement-based refinishes
- Increases the adhesiveness of mortar and water impermeability.
- Used for waterproof cement-based mortars providing resistance to hydrostatic pressure.
- Used to improve the resistance of mortars in foundations.
- Improves considerably the adhesion capacity of refinishes.
- Protects concrete surfaces from dehydration.
- Maximizer increases significantly adhesiveness, mechanical resistance, elasticity and impermeability from water in cement-based construction products.

## APPLICATION

Maximizer is mixed with water and the mixing ratio depends on the characteristics we want to give to mortars and tile adhesives and other adhesives.

Maximizer mixing ratio of water should not be lower than 1: 5. If this report will be smaller, there will not be any improvement and reinforcement in the properties of cement-based mortars and adhesives. For the preparation of concrete and traditional mortar, initially pour Maximizer and then cement and sand, in order to avoid the formation of granules. Its use increases considerably the product's workability and its drying time. All cement-based mortars that are mixed with Maximizer are characterized by good adhesiveness and higher elasticity compared to other mortars that are not mixed with Maximizer.

TECHNICAL DATA	
Color	White
Density	0.99-1,01 kg/lit
Solids	30%

Unit of measurement	Pieces/Pallet	Consumption	Color / other specifications
1kg/plastic can	12 psc/box	1-3 kg/25 kg product	White
5 kg/plastic can	4 psc/box	-	-
10 kg/plastic can	60 psc/pallet	-	-



# pixel

PAINTS



**MADE IN GHANA**  
Produced by  
Velo West Africa Ltd

## INTERIOR PAINTS



**PIXEL HARMONY**  
INDOOR VINYL EMULSION PAINT

### INTRODUCTION

Pixel Harmony is a vinyl breathable water-based paint for interiors (matte, white or pastel colors).

### APPLICATION

Dilute paint with about 10% of water (i.e. 2L for each 20L bucket). Apply with a roller, brush or spray on a new or already painted substrate.

### CONSUMPTION

Average metric yield 8sqm/liter. COLOR -white

### MODE OF STORAGE

Store in cool and dry place. Keep away from children



**PIXEL MAT**  
INDOOR ACRYLIC WASHABLE PAINT

### INTRODUCTION

Acrylic paint consisting of polymer water-base for interiors. Its formulation makes it particularly suitable for fine finishes in residential construction.

### APPLICATION

Dilute paint with about 10% of water (i.e. 2L for each 20L bucket). Apply with a roller, brush or spray on a new or already painted substrate.

### CONSUMPTION

Average metric yield 8sqm/liter.

### MODE OF STORAGE

Store in cool and dry place. Keep away from children



**PIXEL SILVER SHIELD**  
ANTI-BACTERIAL PAINT WITH SILVER IONS  
(Still to be formulated and tested)

### INTRODUCTION

Silver shield is an antibacterial paint with a base of silver ions. Its antibacterial properties covers over 99.9% of bacterial strain such as Escherichia coli, non-toxic and VOC 0.

### APPLICATION

Dilute paint with about 10% of water (i.e. 2L for each 20L bucket). Apply with a roller, brush or spray on a new or already painted substrate.

### CONSUMPTION

Average metric yield 8sqm/liter. COLOR -White



**ECOPIXEL**  
VINYL WASHABLE EMULSION PAINT  
(SEMIGLOSS)

### INTRODUCTION

Vinyl VOC and APEO free washable water based paint, thanks to its special formulation it does not release irritating or harmful substances into the atmosphere. It's very fine minerals changes and their particularly distributed.

### APPLICATION

Dilute paint with about 10% of water (i.e. 2L for each 20L bucket). Apply with a roller, brush or spray on a new or already painted substrate.

**CONSUMPTION** - Average metric yield 8sqm/liter.

### MODE OF STORAGE



## EXTERIOR PAINTS



### PIXEL EASY

WATER RESISTANT PAINT FOR EXTERIORS  
(VOC AND APEO FREE)

#### INTRODUCTION

A water based paint that is user friendly for standard substrates. It has good outdoor resistance.

#### APPLICATION

Dilute paint with about 10% of water (i.e. 2L for each 20L bucket). Apply with a roller, brush or spray on a new or already painted substrate.

#### CONSUMPTION

Average metric yield 8sqm/liter. COLOR - White

#### MODE OF STORAGE

Store in cool and dry place. Keep away from children



### PIXEL PLAST

EXTRA WASHABLE EXTERIOR EMULSION PAINT

#### INTRODUCTION

Washable water based paint for exterior surfaces. Resilient even when exposed to harsh conditions such as marine and industrial environments characterized by sudden change in temperature.

#### APPLICATION

Dilute paint with about 10% of water (i.e. 2L for each 2L bucket). Mix thoroughly and apply with a roller or a brush on a new or already painted surface.

**CONSUMPTION** - Average metric yield 8sqm/liter.

#### MODE OF STORAGE

Store in cool and dry place. Keep away from children



### PIXEL STRONG

SYNTHETIC WATER BASED PAINT  
FOR EXTERIORS (washable paint)

#### INTRODUCTION

This is a water based paint composed of very fine mineral fillers, additives and special resins that gives a pleasant super mat gloss appearance. Its special composition allows it to resist water and UV rays giving your paint a longer life span. We recommend applying on a very smooth surface preferable a skimmed substrate.

#### APPLICATION

Dilute paint with about 10% of water (i.e. 2L for each 20L bucket). Apply with a roller, brush or spray on a new or already painted substrate.

#### CONSUMPTION

Average metric yield 8sqm/liter. COLOR - white

#### MODE OF STORAGE

Store in cool and dry place. Keep away from children



### PIXEL MEDIUM

MEDIUM GRAIN EXTERNAL EMULSION PAINT

#### INTRODUCTION

This is a water-based emulsion paint for exterior use only. Consist of binders, minerals, pigments, water and other additives.

#### APPLICATION

Dilute paint with about 10% of water (i.e. 2L for each 20L bucket). Mix thoroughly and apply with a roller or a brush on a new or already painted surface. Each coat creates a layer of thickness that helps hide defects and static micro cracks on the wall.

**CONSUMPTION**- Average of 6 to 6.5sqm of every liter of paint. COLOR -white

#### MODE OF STORAGE

Store in cool and dry place. Keep away from children

## PRIMERS & WATERPROOFING



**PIXEL FIX**  
SYNTHETIC EMULSION WALL PRIMER

### INTRODUCTION

This primer consists from synthetic polymers that creates a transparent, nontoxic film on the wall, preparing the paint adhere to the wall and increase the paint durability.

### APPLICATION

Dilute with water in the ratio 1:1-1:3 depending on the wall absorb ability. Mix thoroughly and apply with a roller or a brush for best results (for exterior and interior use).

### CONSUMPTION

Average of 8sqm of every liter of primer. COLOR -White

### MODE OF STORAGE

Store in a cool and dry place. Keep away from children



**TINTOPIXEL**  
PIGMENTED SYNTHETIC WATER-BASE PRIMER

### INTRODUCTION

Synthetic pigmented water-base (non-toxic) primer for preparation of substrates. Slightly colored with a semitransparent effect to promote coverage.

### APPLICATION

Dilute with water in the ratio 1:0.5-1:1 depending on the wall absorb ability. Mix thoroughly and apply with a roller or a brush for best results (for exterior and interior use).

### CONSUMPTION

Average of 6sqm of every liter of primer. COLOR -white

### MODE OF STORAGE

Store in cool and dry place. Keep away from children



**HYDROSIL SWB**  
HYDROPHOBIC SILICON BASED SOLUTION

### INTRODUCTION

This ready to use waterproofing solution is based on selected silicones that protects facades and stone artefacts from water and water solvent damages.

### APPLICATION

Dilute with water in the ratio xxxx. Apply with a brush using several coats ..... its hydrophobic properties are activated one week after the last coat was applied. Re-paintable after about two years of application.

### MODE OF STORAGE

Store in a cool and dry place. Keep away from children



**HYDROSIL SWB GEL**  
SILICON BASED HYDROPHOBIC GEL

### INTRODUCTION

This ready to use waterproofing solution is based on selected silicones that protects facades and stone artefacts from water and water solvent damages.

### APPLICATION

Dilute with water in the ratio xxxx. Apply with a brush using several coats ..... its hydrophobic properties are activated one week after the last coat was applied. Re-paintable after about two years of application.

### MODE OF STORAGE

Store in a cool and dry place. Keep away from children

## DECORATIVE



### PIXEL DECO 1

DECORATIVE GRAFFIATO COATING  
WITH SMOOTH FINISH

#### INTRODUCTION

Plastic coating for plastering effect of graffiato in different colors (no after paint required). Its composition affords water repellency and great resistance to abrasion and impact. Particle size 1.8-2.0, 0-2.5mm.

#### APPLICATION

Apply with a spatula on a new or already painted substrate.

#### CONSUMPTION

- Average metric yield 8 to 5.5sqm/Bucket.  
COLOR - White

#### MODE OF STORAGE

Store in cool and dry place. Keep away from children



### PIXEL DÉCO 3

WALL DECORATIVE COATING (GRAFFIATO PAINT)

#### INTRODUCTION

Plastic coating for plastering effect of graffiato in different colors (no after paint required). Its composition affords water repellency and great resistance to abrasion and impact. Particle size 1-1, 2-1, 5-1,8mm.

#### APPLICATION

Apply with a spatula on a new or already painted substrate.

#### CONSUMPTION

Average metric yield 12.5 to 8sqm/Bucket.  
COLOR - White

#### MODE OF STORAGE

Store in cool and dry place. Keep away from children



### TEXTURE PIXEL

SYNTHETIC ACRYLIC PAINT FOR EXTERIORS  
(SUPER WASHABILITY)

#### INTRODUCTION

An acrylic water based texture paint, composed of water dispersion copolymers, opaque pigments and selected quartzes.

#### INSTRUCTIONS FOR USE

Dilute with water in the ratio depending on the wall absorb ability. Mix thoroughly and apply with a roller directly over new, cured plaster. It conceals small imperfections on the surface.

**CONSUMPTION** - Average of 6sqm of every liter of primer. COLOR - white

#### MODE OF STORAGE

Store in a cool and dry. Keep away from children



### PUTTY FILLER

AN ACRYLIC PUTTY (READY TO USE)

#### INTRODUCTION

Ready to use putty paste for skimming both interior and exterior surfaces. It's designed to with stand and easily scoured with sandpaper without losing volume when drying.

#### APPLICATION

Apply directly without mixing with a spatula using several coats. Recoat after 24 hours. We recommend the use of a consolidating and regularizing primer before paint.

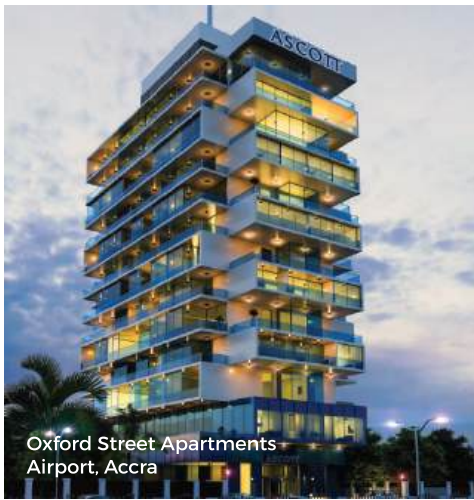
**CONSUMPTION** - Average metric yield 8sqm/liter.

#### MODE OF STORAGE

Store in cool and dry place. Keep away from children

## PROJECTS

At Velo West Africa Limited, the central focus of work is not on the individual components but rather the overall usability of our solution by the client, in us offering perfect material flow, seamless project completion and our precise timing in problem solving. Below are a few of our notable projects that we have signed and secured over the years.



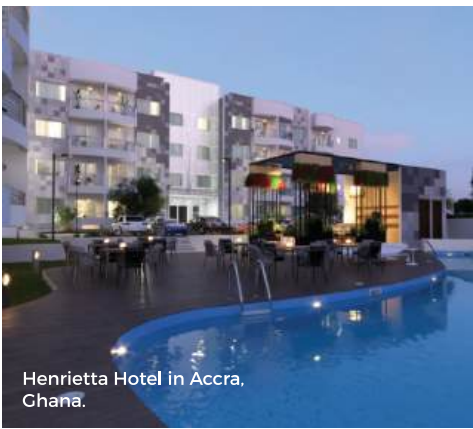




Protea Hotel in Accra, Ghana



PPCL



Henrietta Hotel in Accra, Ghana.



Peal in the City



Diamond in the City



2 FEVRIER Hotel Lome



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