Porcelain, Ceramic, and Stone Tile Adhesives

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A500

EPOXY ADHESIVE

TWO PART

Product Introduction

This product is based on advanced polymer materials and is specifically designed for environments exposed to acid washing and corrosive chemicals, such as laboratories, food industry factories, and petrochemical plants. It offers the highest level of resistance against mechanical stressors, acids, and bases.

How to use

The contents of each 4 kg bag should be mixed with one 1-liter bottle of L500 resin using an electric mixer. If necessary, a small amount of water may be used as a secondary additive. Once the mixture reaches a dough-like consistency, let it rest for 5 minutes, then mix briefly again before application.

Before installation

First, the application area must be thoroughly cleaned and ensured to be completely free of any dust, dirt, or grease.

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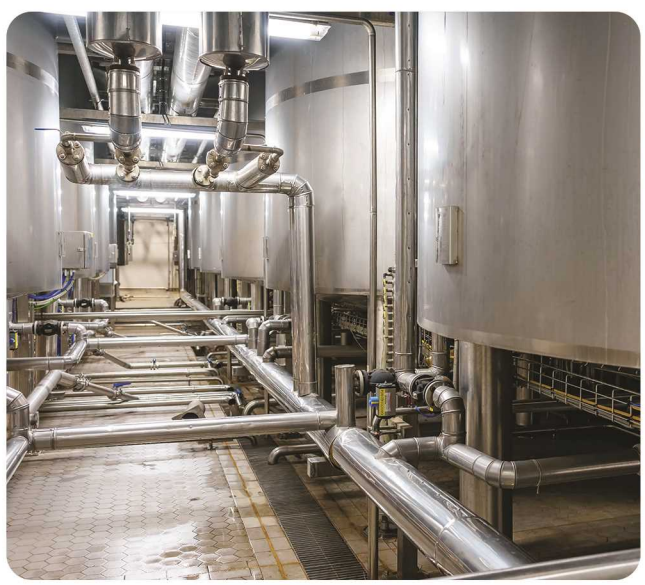
EpoFix 100 + High Flex BV210					
Chemical	**Concentration**	**Immersion time**			
		wash	1 hour	1 day	month 1
Nitric Acid	10%	☑	☑	☑	☒
	25%	☑	☒	☒	☒
	50%	☒	☒	☒	☒
Acetic Acid	10%	☑	☑	☑	☒
	30%	☑	☑	☑	☒
Sulphuric Acid	10%	☑	☑	☑	☒
	25%	☑	☑	☑	☒
	50%	☑	☑	☒	☒
Phosphoric Acid	50%	☑	☑	☑	☒
Citric Acid	10%	☑	☑	☑	☒
Tartaric Acid	10%	☑	☑	☑	☒
NaOH	50%	☑	☑	☑	☒
Acetone	---	☑	☑	☑	☒
Toluene	---	☑	☑	☑	☒
Xylene	---	☑	☑	☑	☒
Mthylcoloride	---	☑	☑	☑	☑
Sea Water	---	☑	☑	☑	☑



CE 2440

ONAC

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L 400- L 500

This product is formulated based on copolymer resins. it enhances the adhesion of tile adhesives and improves the mechanical and chemical properties of both tile adhesives and grout powders.

By adding L 500 supplement liquid to grout powder, its anti-acid properties are increased, making it resistant to many chemicals.

Features

. Increased adhesion strength.
. Waterproofing the mortar or tile adhesive.
. Enhanced mechanical resistance.
. Enhanced chemical resistance.
. Increased resistance to structural shear stresses.

Important Notes

Adding L 400 liquid to tile adhesive not only increases adhesion but also makes the adhesive waterproof. The combination of water, A430 tile adhesive, and L400 can be used as a "Pool Tile Adhesive" for wet areas.

Adding L 400 to A430 tile adhesive increases adhesion, mechanical and chemical resistance, and shear stress tolerance.

CE 2440

chemichal resisetance table of products

PRODUCT		A 510				A 500+ L500			
chemical	concentration	Immersion time				Immersion time			
		wash	1hour	1day	1week	wash	1hour	1day	1month
Nitric Acid	10%	☑	☑	☑	☑	☑	☑	☑	☒
	25%	☑	☑	☑	☑	☑	☒	☒	☒
	50%	☑	☑	☒	☒	☒	☒	☒	☒
Acetic Acid	10%	☑	☑	☑	☑	☑	☑	☑	☒
	30%	☑	☑	☑	☑	☑	☑	☑	☒
Sulphuric Acid	10%	☑	☑	☑	☑	☑	☑	☑	☒
	25%	☑	☑	☑	☑	☑	☑	☑	☒
	50%	☑	☑	☑	☑	☑	☑	☒	☒
Phosphoric Acid	50%	☑	☑	☑	☑	☑	☑	☑	☒
Citric Acid	10%	☑	☑	☑	☑	☑	☑	☑	☒
Tartaric Acid	10%	☑	☑	☑	☑	☑	☑	☑	☒
NaOH	50%	☑	☑	☑	☑	☑	☑	☑	☒
Aceton	---	☑	☑	☑	☑	☑	☑	☑	☒
Toluene	---	☑	☑	☑	☑	☑	☑	☑	☒
Xylene	---	☑	☑	☑	☑	☑	☑	☑	☒
Mthylcoloride	---	☑	☑	☑	☑	☑	☑	☑	☑
Sea Water	---	☑	☑	☑	☑	☑	☑	☑	☑

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A 510

EPOXY ADHESIVE

Two Part

Product Introduction

A510 is a high-performance, two-component adhesive system based on premium epoxy resins, offering exceptional bonding strength. This product is engineered to create permanent bonds between stone, ceramics, and iron. It is particularly suitable for installing acid-resistant tiles in environments requiring superior chemical and mechanical resistance. Additionally, it serves as an excellent grout for acid-resistant tile joints. For optimal performance, it is recommended to store and apply the product at temperatures between 25°C and 35°C.

How To Use

To prepare the mixture, blend 3 parts of Resin A with 1 part of Hardener B until a perfectly homogeneous consistency is achieved. Apply an adequate amount of the mixture to the target surface and bond the materials (stone, ceramic, or iron) immediately.

For grouting acid-resistant joints, apply the prepared paste into the gaps and ensure any excess material is cleaned from the tile edges within 30 minutes. Note that the adhesive will begin to gel within 40 minutes, after which it will harden and lose its workability.

Pre-Installation & Limitations

The substrate must be thoroughly cleaned and free of any dust, debris, or grease before application. The ambient surface temperature must be at C during the process°15 least

Restrictions: This adhesive is not recommended for use on sandstone, limestone, or other structurally weak stones. Due to their layered nature, these materials may delaminate or separate under minimal mechanical pressure

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Specification	Value
Physical State	Paste
Product Color	Various colors
Specific Gravity	1.6 g/cm3
Gel Time	40 Minutes
Initial Setting Time	2 to 4 Hours
Final Strength Time	7 Days
Tensile Strength	25 N/mm2
Shear Strength	40 N/mm2
Adhesion to Concrete	4 N/mm2
Adhesion to Metal	20 N/mm2
Mixing Ratio	3 Parts Component A to 1 Part Component B
Pot Life / Open Time	30 Minutes
Temperature Resistance	-40 to +220°C
Chemical Resistance	According to the table on the BOBTCO website
Storage Temperature	20 to 40 °C
Shelf Life & Storage	Max 1 year; keep away from direct sunlight

How to use

- Installing marble, granite, large ceramic tiles, etc., on walls and ceilings in both interior and exterior building environments.
- Suitable for environments exposed to fire, elevators, and staircases.
- Ideal for the substrate preparation and installation of marble, granite, other stone slabs, and various coverings.
- Installing water fountains, mirror frames, and various stone decorations.
- Bonding metal to stone or concrete surfaces.
- Grouting of acid-resistant tiles.

Important Note

To grout acid-resistant tiles, you must mix Component A and Component B. Apply the resulting paste into the joints between the tiles and clean the surrounding areas immediately.

Suitable Installation Substrates

- Shear walls
- Brick (must be primed)
- Reinforced concrete
- Metal

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SLAB A400

SLAB ADHESIVE POWDER-BASED

with L300 Supplementary Liquid

Product Introduction

A 400 is a high-performance, two-component adhesive system comprising hydraulic binders, mineral aggregates, and advanced organic/polymeric additives, further reinforced with cellulose fibers. Specifically engineered for large-format porcelain slabs and natural stones, this product is ideal for both interior and exterior applications (building facades) on floors and walls. The integration of fiber reinforcement ensures superior structural integrity and bonding strength.

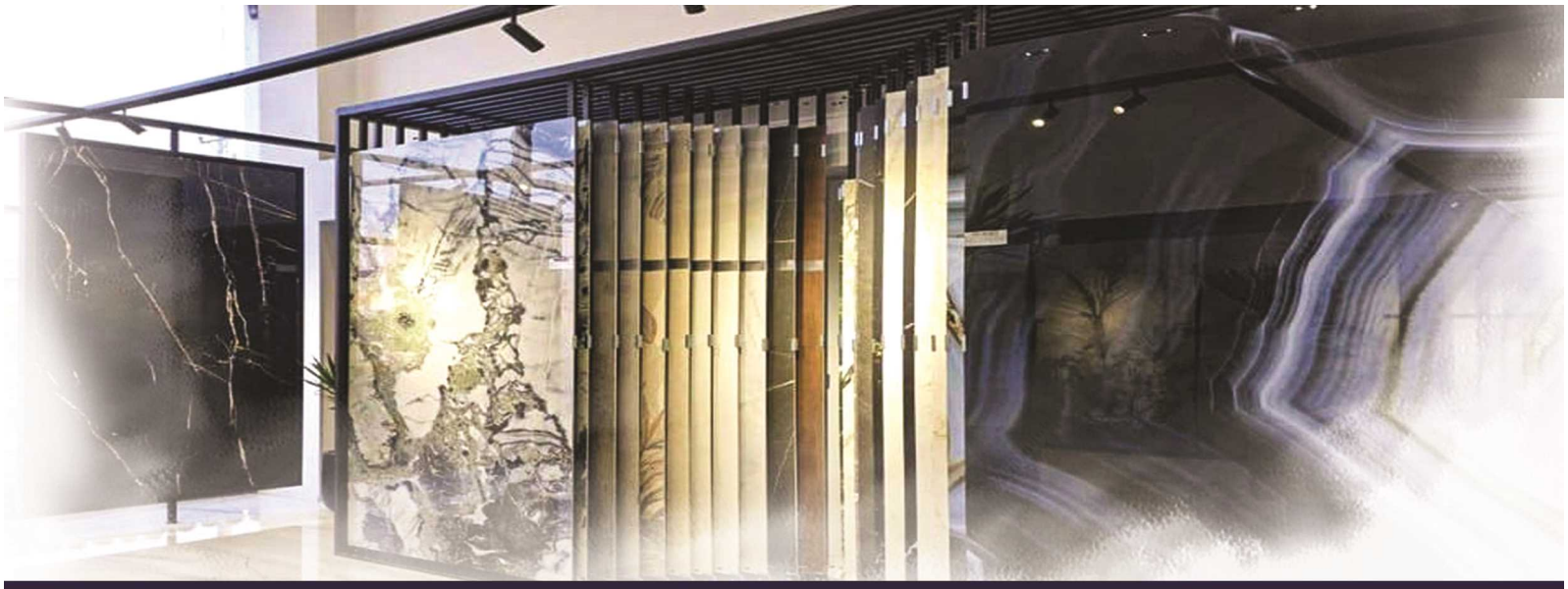
How To Use

To prepare, blend one 20 kg bag of A400 adhesive with 4 liters of L 300 supplementary liquid. A mechanical mixer must be used to achieve a smooth, homogeneous paste. If the consistency is too thick, small amounts of water may be added gradually until the desired texture is reached.

Allow the mixture to mature for 5 minutes, then remix for an additional minute. Using the "double-back" bonding technique with a notched trowel, apply the adhesive to both the substrate and the back of the slab, ensuring all ridges are combed in the same direction. Once the slab is positioned, utilize a vibration machine to eliminate any trapped air pockets. Grouting should only be performed at least 72 hours post-installation. Avoid any mechanical stress, pressure, or vibrations during this curing period to prevent slab displacement.

Pre-Installation & Surface Preparation

The target surface must be thoroughly cleaned of dust, debris, and grease. For installations over existing tiles, paint, or old gypsum, it is mandatory to mechanically abrade (scratch) at least two-thirds of the surface area. For substrates such as gypsum, lightweight blocks, or similar porous materials, a suitable primer coat must be applied before the adhesive. Note: This product is designed to be used exclusively in combination with the L300 supplementary liquid.



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Specification	Value
Physical State	Homogeneous powder
Color Variety - Specific Gravity	White or Gray - 1.4 \ g/cm3
Chloride	.....
Mixing Ratio with Supplement	4 Liters per 20 kg of powder
Application Temperature	+10 to +40 °C
Temperature Resistance (Fully Cured)	-25 to +80 °C
Tensile Strength	1.2N/mm2
Shear Strength	1.2 N/mm2
Adhesive Tensile Strength (After water immersion)	1.2 N/mm2
Adhesive Tensile Strength (After heat exposure)	1.2 N/mm2
Chemical Resistance	.....
Pot Life / Open Time	30 Minutes
Initial Drying Time	48 to 72 Hours after installation
Grouting Time	72 Hours after installation
Mortar Thickness - Consumption Rate	3 to 5 mm - 3 to 5 kg/m2

How to use

- It is suitable for the permanent and strong bonding of large ceramics, porcelain, stone, and wide-dimension slabs to the floors and walls of both interior and exterior buildings.
- It can be used indoors and outdoors due to its waterproof capabilities and resistance to various weather conditions.
- It is applicable on a variety of surfaces, including walls and floors.
- It can also be used on surfaces with heating systems, balconies, patios, swimming pools, gypsum surfaces, gypsum blocks, and other similar locations.

Pricing note

The price of slab adhesive is influenced by various factors. The ingredients and additives used, production quality, and the application of advanced technologies can all impact the price. Special features such as resistance to environmental conditions may also affect the cost, while the reputation and brand of the manufacturer play a significant role in determining the price. Packaging and transportation costs are also added to the final price. Considering all these factors, the price of the slab adhesive (A400+L300) produced by BOB COMPANY is very reasonable and cost-effective, despite its high quality.

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L 300

Slab Supplement (L 300)

This product is an emulsion polymer designed to enhance the adhesion of A400 tile adhesive. It significantly increases the mechanical, tensile, and flexural strength of the adhesive. By adding this supplement to the A400 adhesive, it becomes suitable for installing stones, large slabs, porcelain, and oversized ceramics.

Mixing Ratio: Add the contents of one 4-liter container to one 15 kg bag of A400.

Properties

- Increases the mechanical and tensile strength of the mortar.
- Enhances resistance against structural shear stresses.
- Increases the bonding strength of the tile adhesive.
- Waterproofs the mortar.

Dear Consumer, For more information, please visit the company's website.

- **Expiration:** 9 months after the production date.

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SLAB A410

AAA

SLAB ADHESIVE POWDER-BASED

Single-Component System

Product Introduction

A 410 is a specialized single-component adhesive formulated from high-grade mineral powders, organic additives, and advanced polymers. Specifically reinforced with synthetic fibers, this product is designed for high-durability bonding on both floors and walls, suitable for interior and exterior environments. Its versatile formulation allows for reliable application on gypsum-based substrates and surfaces equipped with underfloor heating systems. It is an ideal choice for high-traffic areas, bathrooms, balconies, patios, and swimming pools.

How To Use

Combine one 20 kg bag of A410 with approximately 4.5 to 5 liters of clean water. It is mandatory to use a mechanical mixer to ensure a smooth, lump-free paste. If the mixture remains too stiff, gradually add a small amount of additional water and remix until the desired consistency is achieved.

Allow the adhesive to rest for 5 to 10 minutes to activate its chemical properties, then remix for one final minute. Using a notched trowel, apply the adhesive using the "double-spread" technique (to both the substrate and the back of the slab), ensuring all ridges are pulled in the same direction. Once the slab is in place, use a vibration tool to expel any air trapped underneath. Grouting should be deferred for at least 72 hours. During this curing phase, protect the installation from any pressure or vibrations that could lead to slab displacement.

Pre-Installation & Surface Preparation

The installation area must be completely sanitized from dust, debris, and oily residues. For "tile-on-tile" or "tile-on-stone" applications, mechanically abrade (scratch) at least two-thirds of the existing surface. For gypsum-based surfaces, the area must be scratched and treated with a high-quality primer before applying the adhesive.

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Specification	Value
Physical State	Homogeneous powder
Color Variety - Specific Gravity	White - 1.4 g/cm3
Chloride	.....
Mixing Ratio with Water or Supplement	Approximately 23% to 26% of powder weight
Installation Temperature	+10 to +40 °C
Temperature Resistance (Fully Cured)	-25 to +80 °C
Tensile Strength	1.2 N/mm2
Shear Strength	1.2 N/mm2
Adhesive Tensile Strength (After water immersion)	1.2 N/mm2
Adhesive Tensile Strength (After heat exposure)	1.2 N/mm2
Chemical Resistance	.....
Pot Life / Open Time	30 Minutes
Initial Drying Time	48 to 72 Hours after installation
Grouting Time	72 Hours after installation
Mortar Thickness - Consumption Rate	4 to 6 mm - 6 to 8kg/m2
Shelf Life and Storage Conditions	Maximum one year after production; keep away from moisture and direct sunlight.

Applications

- Designed for the installation of ceramic slabs.
- Capable of being installed on all surfaces, including concrete, stone, blocks, ceramics, and gypsum.
- Suitable for both wall and floor applications in interior and exterior environments.

Standards

This product holds the CE European Product Quality Standard.

Important Note

This product is prepared based on the requirements of the European standard INSO 12492-1. Due to the powerful polymer additives in its composition, it has been classified as Class: C2TES1. This product can function as a powerful adhesive for installing large porcelain slabs as a single-component system, without the need for other additives.

CE 2440

A430-A450

PORCELAIN TILE ADHESIVE

with L400 Supplementary Liquid

AAA

Product Introduction

This premium adhesive is a sophisticated blend of hydraulic binders, mineral aggregates, and specialized organic/polymeric additives. It is engineered for the high-strength bonding of tiles, ceramics, porcelain, and both natural and synthetic stones. The product is versatile enough for application on cement, stone, brick, ceramic, and gypsum surfaces. It is suitable for both interior and exterior use (building facades), including floors and walls. Furthermore, it is highly recommended for surfaces with underfloor heating, balconies, patios, swimming pools, gypsum blocks, lightweight concrete, and overlays on old stonework.

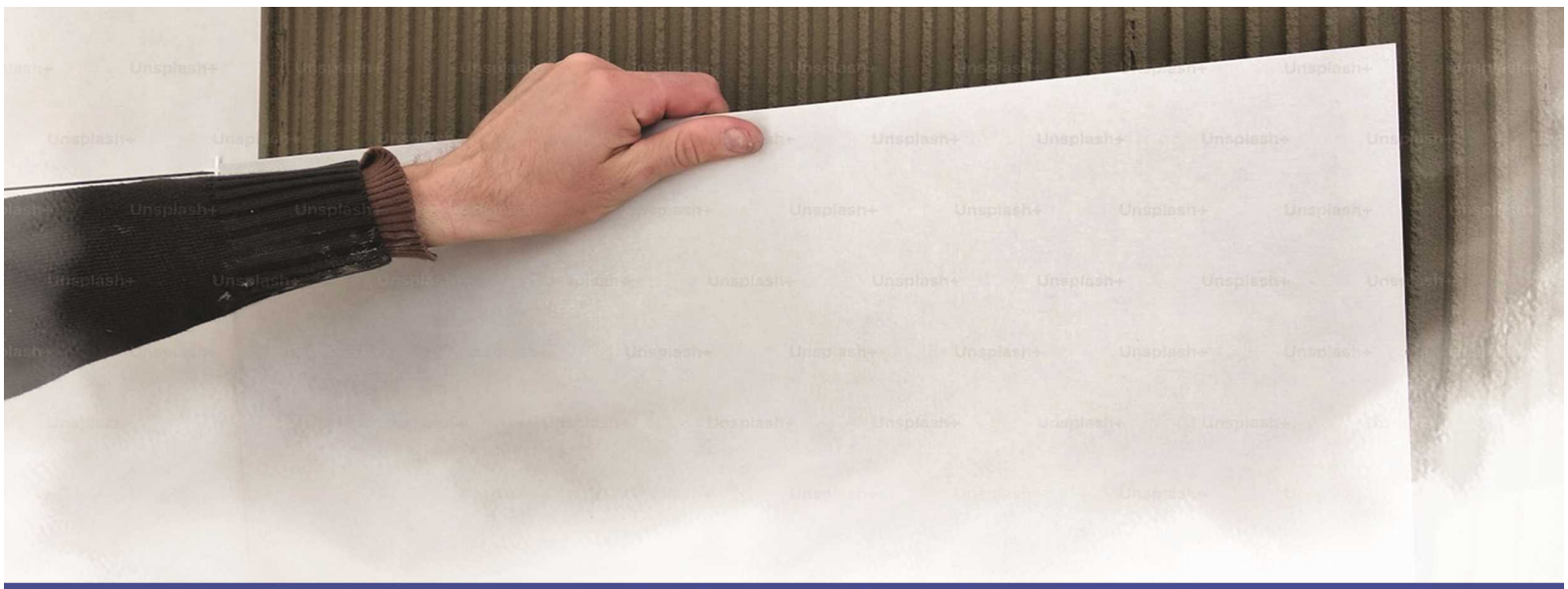
How To Use

To prepare the mixture, combine one 20 kg bag of A430 adhesive with approximately 4 to 5 liters of clean water. It is essential to use a mechanical mixer to achieve a smooth, uniform paste. If the project requires the Highflex L400 supplementary liquid, add at least 1 liter per bag into the mix, reducing the water volume accordingly.

Allow the mixture to rest for 5 to 10 minutes to reach full consistency, then remix for an additional minute. Using a notched trowel and the "double-back" method, apply the adhesive to both the substrate and the back of the tile, ensuring the ridges run in the same direction. After placement, apply uniform pressure or light impacts to expel trapped air. Wait at least 72 hours before grouting. During this period, avoid applying pressure or causing vibrations that might displace the tiles.

Pre-Installation & Surface Preparation

The substrate must be completely free of dust, debris, and grease. When installing over old tiles or stone, mechanically abrade or scratch at least two-thirds of the existing surface to ensure a strong bond. For gypsum-based surfaces, the area must first be scratched and then treated with a suitable primer before applying the adhesive.



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Specification	Standard Powder A430	Standard Powder A450 (Fiber-Reinforced)
Physical State	Homogeneous powder	Homogeneous powder with fibers
Color - Specific Gravity	White or Gray - 1.4 g/cm3	White or Gray -1.4 g/cm3
Chloride	.....	.....
Mixing Ratio (Water/Supplement)	4-5 Liters per 20 kg powder	4-5 Liters per 20 kg powder
Installation Temperature	+10 to +40 °C	+10 to +40 °C
Temp. Resistance (Cured)	-25 to +80 °C	-25 to +80 °C
Tensile Strength	0.65 N/mm2	0.7 N/mm2
Shear Strength	0.65 N/mm2	0.75 N/mm2
Tensile Adhesion (After Water)	0.65 N/mm2	0.6 N/mm2
Tensile Adhesion (After Heat)	0.65 N/mm2	0.6 N/mm2
Pot Life / Open Time	30 Minutes	30 Minutes
Initial / Full Drying Time	48-72 Hours / 2 Weeks	48-72 Hours / 2 Weeks
Grouting Time	72 Hours after installation	72 Hours after installation
Thickness - Consumption	3-5 mm / 3-5 kg/m2	3-5 mm / 3-5 kg/m2
Shelf Life & Storage	Max 1 year; away from moisture & sun	Max 1 year; away from moisture & sun

Applications

- Porcelain tiles up to 60 * 120 cm in size.
- Suitable for both interior and exterior environments.
- Applicable over old tiled and stoned surfaces.
- Swimming pools, floors, and walls (when used with L400 supplement).
- Gypsum walls (when used with a primer).

Supplement L 400

HighFlex L400 supplement increases adhesion and accelerates the drying process of the adhesive. Please refrain from adding any other supplements to this adhesive.

Note1

For buildings under structural stress, high-traffic areas, and surfaces equipped with cooling or heating systems, the use of A450 adhesive is recommended.

Note2

For exterior and interior walls, as well as environments exposed to moisture, it is recommended to use HighFlex L400 supplement for each 20 kg bag of adhesive.

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Waterproofing Materials

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MICROFLEX

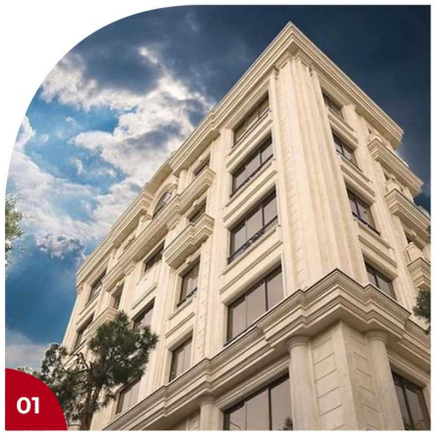
New generation of building facade

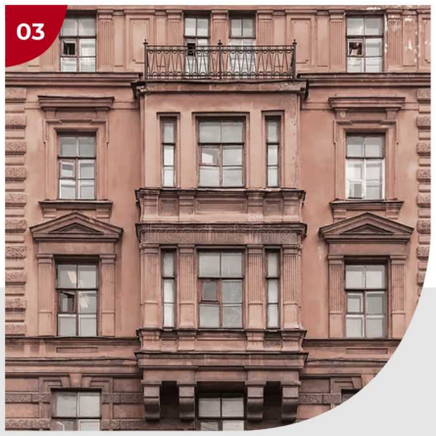
Available in +20 colors...

DURABILITY, FLEXIBILITY AND BEAUTY

A NEW PRODUCT BY BOBTCO

WAC 600 *Typical* Application Cases





01 **High flexibility**

02 **High adhesion**

03 **Waterproof**

MICROFLEX

The new generation of building façade coating, which uses nanotechnology and advanced polymer resins, offers a combination of beauty, flexibility and high durability.

This coating is applicable to a variety of surfaces and creates an anti-crack, waterproof and sun resistant surface.

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microflex

APPLICATIONS

01 Covering and sealing of buildings facade

02 Renewal of damaged or cracked surfaces

03 Increasing the durability of surfaces against environmental conditions

04 Residential, commercial and industrial projects

How To Use

1. The surface to be treated must be clean, dry and free of dust
2. The surface to be treated must be clean, dry and free of dust
3. Apply micro flex in two layers by brush, roller, or spray
4. Allow the layers to dry at ambient temperature

Specification	Value
Base Composition – Appearance	Polymer – Fluid Paste
Approximate Consumption	1 to 1.5kg/m2
Final Layer Thickness	Approx. 2 mm
Specific Gravity	1.3 g/cm3
Moisture Resistance	Very high; no detachment or peeling
UV Resistance	Resistant; no noticeable discoloration
Substrate Adhesion	=1.5 MPa
Color	Based on customer order
Post-Application Temp. Resistance	-25 to +80 °C
Chemical Resistance	Resistant to acid rain and mild household detergents
Application Temperature	+10 to +40 °C
Drying Time (Initial & Final)	Initial: 4 Hours at 25°C Final: 24 to 36 Hours

STORAGE CONDITIONS

Keeping indoor | Keeping indoor | At +10 to+40 c | Away from direct sunlight

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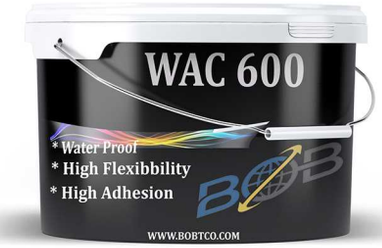
WAC 600

MICROFLEX



The new generation of building façade coating, which uses nanotechnology and advanced polymer resins, offers a combination of beauty, flexibility and high durability.

This coating is applicable to a variety of surfaces and creates an anti-crack, waterproof and sun resistant surface.

Key features of microflex

FEATURES

high adhesion

Stable binding to concrete, cement, metal, wood and

Waterproof

Providing a waterproof cover that prevents

High flexibility

Resistance to structural movements and thermal contraction and expansion

Environmentally friendly

No harmful substanc-es, safer and healthier and help reduce pollution and protect the environment

Easy to work

Available with brush , rollers or spray in a variety of weather conditions

UV Resistant to sunlight-anti uv

Capability in producing more than +20 colors

WAC 400

WATER PROOFING MATERIALS

AAA

Product Introduction

This product is formulated based on emulsion copolymers, featuring a milky color and excellent waterproofing properties. It can be utilized effectively as a moisture barrier. Developed using advanced nanotechnology, the impermeability of this resin after application ensures full waterproofing and high resistance to corrosive chemicals.

How To Use

- Direct Application: This insulation can be applied directly onto concrete, brick, stone, and other surfaces. It can also be mixed with various powder adhesives produced by this company.
- Mixing Ratio: The ratio is adjusted based on the application type and required resistance (typically replacing 20% to 40% of the mortar or adhesive's mixing water).
- Mixing Process: Pour the base powder into a suitable container, then slowly add WAC400. Mix with an electric or manual stirrer until a uniform, lump-free paste is obtained.
- Application: Apply the prepared mortar onto the surface using a spatula, trowel, or brush.
- Layering: For guaranteed coverage and better performance, applying two layers is recommended. Ensure each layer is completely dry before applying the next.
- Drying Time: Drying depends on environmental conditions (typically 24 to 48 hours). Avoid direct contact with water or rain during this period.

Pre-Installation & Surface Preparation

- Surface Preparation: Before application, the surface must be completely dry, clean, and free of dust, grease, and any contamination to guarantee full adhesion and insulation performance.
- Repairs: Initial repair is recommended if deep cracks are present on the substrate.

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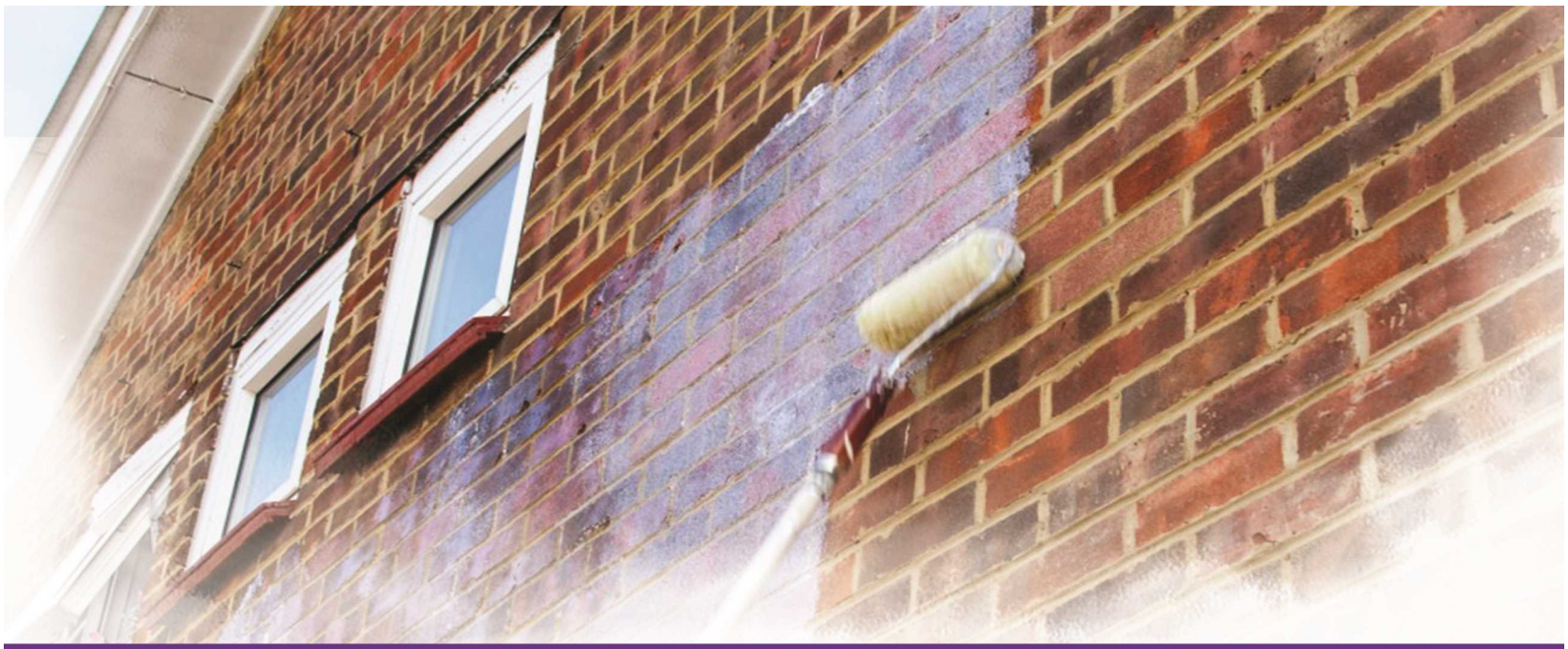

BOB | TECHNICAL SPECIFICATIONS -WAC400 WATERPROOFING

Specification	Value
Physical State	Liquid
Color	Milky
Base Type	Emulsion Copolymer with Nano-Technology
Density	Approx. 1.50 g/cm3
Initial Drying Time	1 to 2 Hours (depending on environmental conditions)
Full Drying Time	Approx. 24 to 48 Hours
UV Resistance	Suitable
Chemical Resistance	Resistant to mild acidic and alkaline substances
Water Penetration Resistance	Complete (if applied correctly in multiple layers)
Cement Compatibility	Excellent (enhances strength properties)
Application Method	Spatula, Trowel, Brush, Spray, or mixed with mortar/adhesives
Packaging	1 Liter / 4 Liters
Post-Installation Temp. Resistance	-30 to +80 °C
Crack Resistance	High (remains flexible after drying)
Storage Temperature	+10 to +40 °C
Shelf Life & Storage	Max 1 year; away from direct sunlight

HOW TO USE

- Waterproofing cement, mosaic, and bitumen-coated rooftops, as well as travertine stone roofs.
- Waterproofing coating for cement, ceramic, and stone surfaces in bathrooms and toilets.
- Creating impermeable mortars for pool substrates, water tanks, and tunnels.
- Enhancing the adhesion and durability of cementitious facade coatings.
- Substrate preparation for tiles and ceramics in wet areas such as saunas, jacuzzis, and steam rooms.
- Waterproofing clay and metal roofing sheets (shingles).

Product Advantages

- High Resistance: Superior protection against water and moisture penetration, even in harsh climatic conditions.
- Nano-Technology: Specialized formulation ensures deep penetration into the structure and creates a strong chemical bond, preventing layer separation.
- Industrial Grade: Suitable for industrial environments.
- Versatility: Can be used in its pure liquid form or mixed into mortars and slurries.

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WAC 200

NANO-POLYMER ISULATION

Waterproofing Pack

AAA

Product Introduction

This is a two-component product consisting of one powder package and two supplementary liquids, reinforced with polymeric materials and fibers. It is a reliable and permanent moisture insulation that can resist positive and negative water pressure on concrete surfaces and cement structures. With excellent adhesion to the substrate, this product prevents cracking, provides optimal resistance, and reduces solar energy absorption. It is suitable for waterproofing all concrete surfaces such as tunnels, elevator pits, swimming pools, Jacuzzis, saunas, bathrooms, rooftops, and drinking water tanks, serving as a dependable alternative to traditional bitumen or isogam.

How To Use

First, mix approximately 4 liters of WAC200 liquid with 4 kg of its special powder to create a slurry. Apply this mixture thoroughly to the surface using a brush or roller.

After it dries, lay a fiberglass mesh over the surface. Mix the remaining 12 kg of powder with 4 liters of WAC200 liquid to form a paste. Apply a 2 mm thick layer of this paste onto the surface using a spatula or trowel. Once dry, if any hairline cracks are observed, prepare the slurry again (as in the first step) and apply it to the surface with a brush or roller. After completion, you can proceed with installing tiles or ceramics.

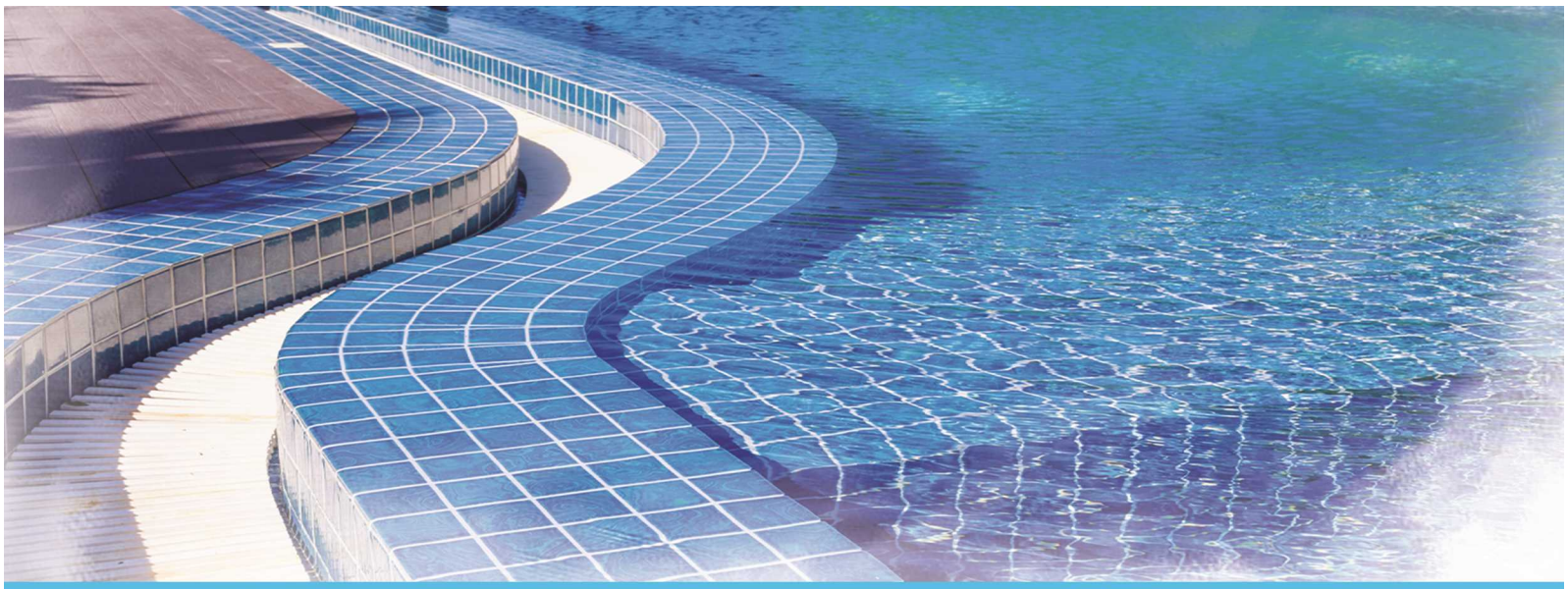
It is worth noting that in places like elevator pits where water may still leak from certain points, first seal the water entry points using a quick-setting agent (plugger). Once dry, begin the waterproofing pack application.

Pre-Installation & Surface Preparation

First, clean the target surface from any contamination, dust, and grease.

Open hairline and deep cracks using mechanical tools.

The best installation temperature is between 10 to 30 degrees Celsius.



BOB | TECHNICAL SPECIFICATIONS -WAC200 NANO POLYMER WATERPROOFING

Specification	Value
Physical State	Powder + Liquid
Color - Specific Gravity (Powder)	White, Blue - 1.5 g/cm^3
Mixing Ratio	1st Coat: 4L Supplement + 4kg Powder 2nd Coat: 4L Supplement + 12kg Powder
Installation Temperature	+10 to +40 °C
Tensile Strength	1.2 N/mm2
Shear Strength	1.2 N/mm2
Tensile Adhesion (After Water)	0.8 N/mm2
Tensile Adhesion (After Heat)	0.8 N/mm2
Chemical Resistance	Resistant to household acids
Pot Life / Open Time	30 Minutes
Full Drying Time	2 Weeks
Mortar Thickness	2 to 3 mm
Consumption Rate	4 to 5 kg/m2
Expiration	Max 1 year after production
Storage Conditions	Away from moisture and direct sunlight

Note.1

Since cracks most often occur in vertical or horizontal corners, ensure that during application, the mesh extends at least 50 cm onto the adjacent wall at all corners.

Note.2

After application, the product withstands temperatures ranging from -25°C to +80°C. When applying the sealing pack in outdoor environments, ensure there is no rain for at least one week following the application.

Note.3

You may begin tile installation once the second coat is dry. If tiles are not being installed, do not fill the pool with water for at least 14 days to allow the product to reach its ultimate strength.

If installing over old "Isogam" (bituminous waterproofing), it is recommended to completely remove it. If the Isogam is still in good condition, remove the aluminum foil layer, roughen the surface, and then proceed with the installation of the sealing pack.

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Nano Materials and Cleaners

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N 600

HYDROPHOBIC AGENT

AAA

Product Introduction

N600 Surface Hydrophobic Resin is formulated based on transparent nano-resins. After application, it causes no change in the color of the treated surfaces. This product contains hydrophobic resins and does not require any additional additives; adding any other substance will destroy its unique properties.

How To Use

- **The transparent coating is applied to the surface using a brush, roller, or spray.**
- **The target surface must be completely dry. After applying the hydrophobic agent, the surface must not come into contact with moisture, water, or rain for 24 hours.**
- **The hydrophobic surface will be fully ready after 24 hours.**

Pre-Installation & Surface Preparation

- Cleaning: First, the target surface must be thoroughly cleaned of any dust, dirt, or grease.
- Repairing: Cracks and joints must be filled with appropriate materials (such as adhesive or repair mortar) and allowed to dry completely to ensure a smooth and uniform surface for applying the coating.

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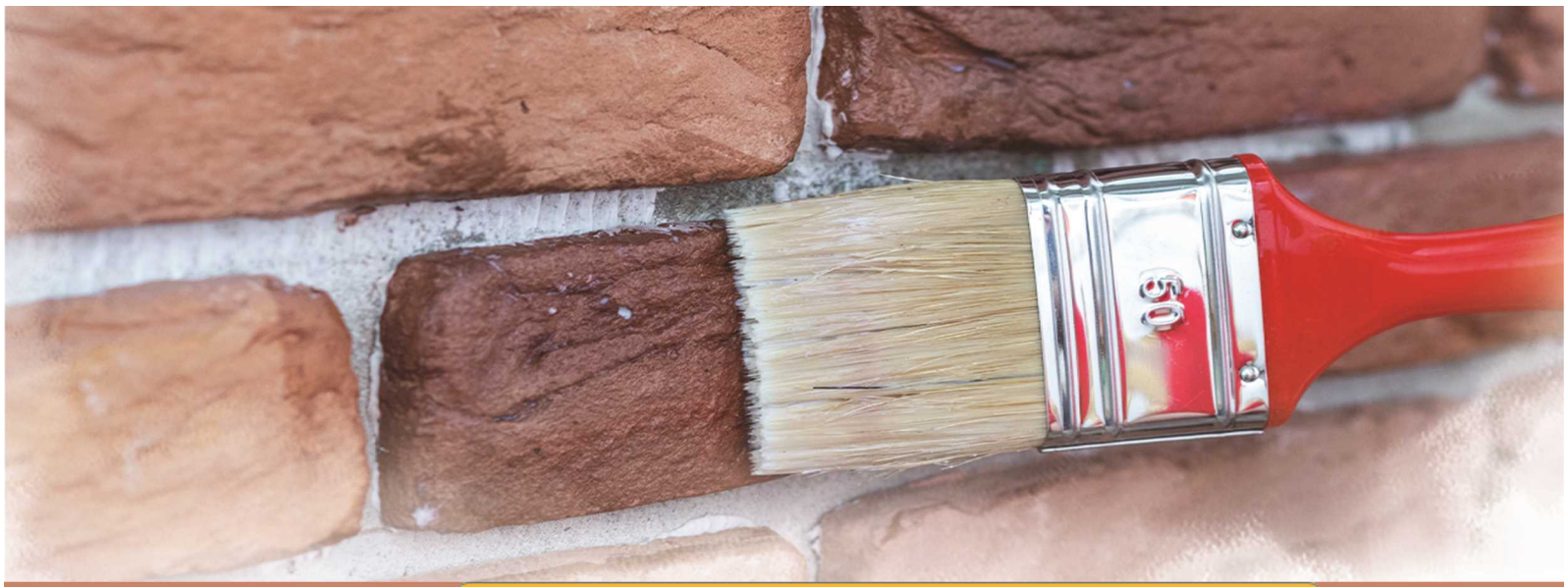


BOB **Technical Specifications (N600 Hydrophobic Agent)**

Specification	Value
Physical State	Liquid
Color Variety	Colorless, Transparent
Features	Long-lasting durability - Suitable for various surfaces
Mixing Ratio	Ready to use (No mixing required)
Installation Temperature	+10 to +40 °C
Temp. Resistance (Cured)	-20 to +80 °C
Initial Drying Time	6 Hours after installation
Full Drying Time	24 Hours
Consumption Rate	1 Liter per 5 m2
Shelf Life & Storage	Max 1 year; away from moisture & direct sunlight

How to use

- Hydrophobic treatment for bricks, blocks, stone, terracotta, and mosaics.
- Applicable on both interior and exterior building facades.
- New and old cementitious surfaces.
- Concrete and water-absorbent surfaces.
- Natural and artificial stone materials.

Product Features

- Deep Penetration: Fast and deep absorption into the applied surfaces.
- Molecular Level Hydrophobicity: Creates water-repellent properties at a molecular scale.
- Easy Application: Simple to apply using a brush or spray.
- Surface Protection: Protects against surface pollutants, stains, and efflorescence (salt streaks).
- Appearance Retention: No change in color or appearance after complete drying.
- Inhibits Growth: Reduces the development of fungi and mold.

Important Note

N600 Facade Hydrophobic Agent represents a new generation of nano-waterproof coatings. Utilizing advanced penetrative resin technology, it creates an invisible, resistant layer on building materials. Its special formulation allows for natural surface "breathability" (releasing internal moisture) without causing any discoloration or unwanted gloss. With high resistance to UV radiation and variable weather conditions, it ensures long-term durability for building facades.

CE 2440

N 500

NANO GLASS ISULATION

AAA

Product Introduction

This is a high-performance, solvent-based thermoplastic resin designed as a protective and decorative coating for various surfaces, including stone, ceramics, porcelain, concrete, and wood. Due to its superior resistance and high adhesion properties, it is an ideal choice for painting swimming pools, building facades, and waterproofing surfaces. Once applied, it forms a uniform, high-adhesion layer with a brilliant glossy finish. It also demonstrates excellent resistance against discoloration (yellowing), dirt absorption, and moisture penetration.

How To Use

The transparent insulation can be applied using a brush, roller, or spray.

To ensure a uniform coating, it is recommended to apply the insulation in several thin layers.

Allow each layer to dry completely before applying the next.

The layers typically require 4 to 6 hours to dry fully; however, this duration may vary depending on environmental conditions.

For thicker coats or in high-humidity environments, the drying time may increase.

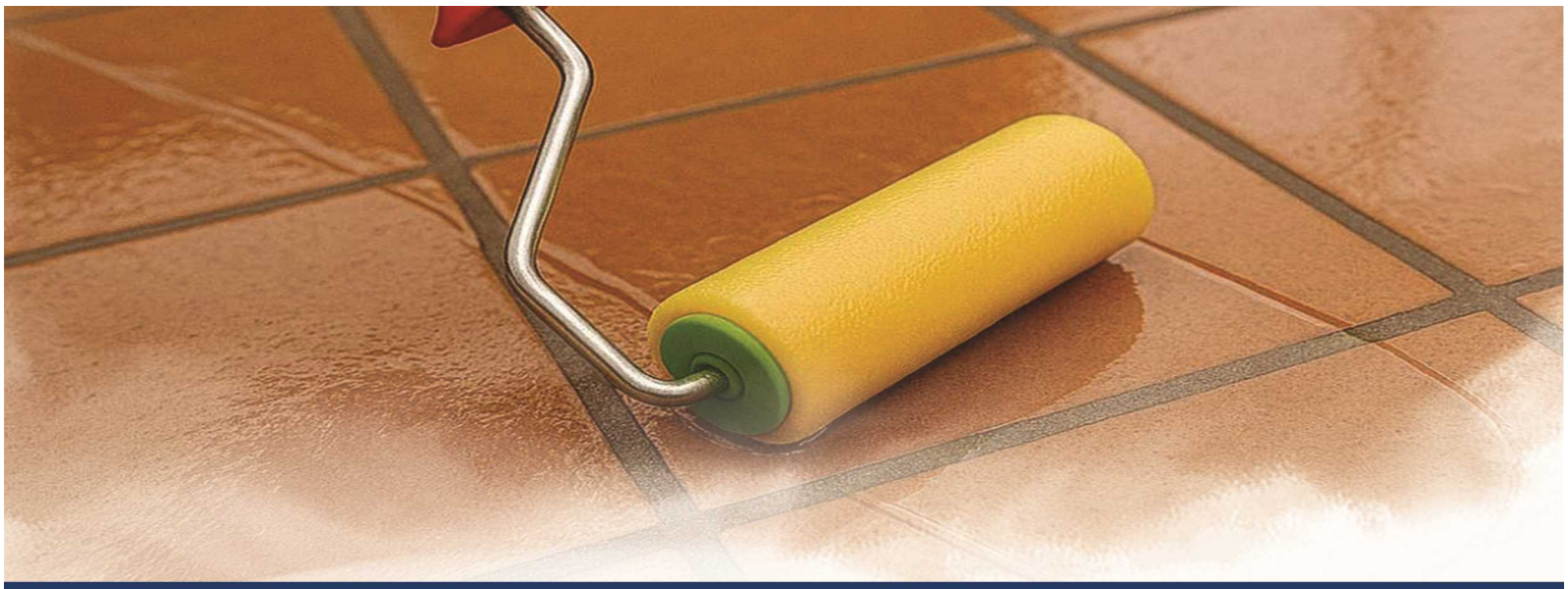
If necessary, additional layers can be applied after the first layer has dried to provide enhanced protection.

Once fully cured, the surface should be inspected for uniformity and the absence of cracks or bubbles. Any defects can be easily repaired with a fresh coat.

Pre-Installation & Surface Preparation

First, the target surface must be thoroughly cleaned of all dust, particles, and grease.

Cracks and joints must be filled with appropriate materials (such as adhesives or repair mortars) and allowed to dry completely to ensure a smooth, even surface for the insulation.



BOB | PRODUCER OF BUILDING CHEMICAL MATERIALS

Specification	Value
Physical State	Liquid
Product Color	Colorless, Transparent
Features	Long-lasting durability - Suitable for all surfaces
Mixing Ratio	Ready to use (No mixing required)
Installation Temperature	+10 to +40 °C
Temp. Resistance (Cured)	-25 to +80 °C
Tensile Strength	> 3 N/mm2
Yellowing	None
Layer Thickness	150 Microns
Adhesion (After Heat)	2 N/mm2
Chemical Resistance	Acceptable
Initial Drying Time	2 Hours after installation
Full Drying Time	24 Hours
Consumption Rate	400 g/m2
Shelf Life & Storage	Max 9 months; away from moisture & direct sunlight

Applications

- Waterproofing ceramic and travertine stone rooftops.
- Sealing exterior walls and roofs.
- Waterproofing terraces and balconies.
- Sealing ceramic and stone surfaces in bathrooms and toilets.
- Waterproofing tiled swimming pools and showers.

Product Advantages

- Transparency: Maintains the original appearance of surfaces.
- High Water Resistance: Exceptional protection against moisture.
- Environmental Resistance: Durable against various weather conditions.
- Strong Adhesion: Bonds firmly to a wide variety of surfaces.
- Long-term Durability: Extended lifespan after application.

Important Note

Nano Glass (N500) insulation is supplied ready-to-use and does not require mixing with other materials. However, if you intend to use it for specific conditions (such as very deep sealing or high-thickness applications), it may be necessary to add a small amount of the manufacturer's recommended thinner. It is advised to stir the product thoroughly before application to ensure uniformity.

CE 2440

CLEANER
D 3 0 0

Product Introduction

This product is formulated based on special material and is designed to eliminate various types of alkaline stains, cement residues, gypsum, and concrete from metal surfaces, stone, granite, mosaics, and all types of ceramics.

Method of Use

First, pour the liquid onto the stains on the stone or ceramic surface and begin cleaning with a brush. After a few minutes, thoroughly rinse and clean the area with water.

Important Notes

- Grouting Caution: During application, ensure the liquid is not poured onto freshly applied tile grout.
- Immediate Rinsing: If the liquid comes into contact with tile joints, rinse immediately with plenty of water.
- Safety Gear: Always use gloves, during work.
- First Aid: In case of contact with skin or body, wash immediately with water.
- Storage: Keep out of reach of children.

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AFTER

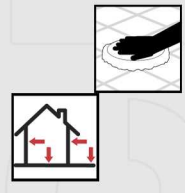
BEFORE

Cleaning dirt and contamination from tools

Cleaning dirt and contamination from ceramic

TECHNICAL DATE TABLE

PH	<3
PHYSICAL STATE	LIQUID
WEIGHT	1.1gr/cm3
COLOR	TRANSPARENT
STORAGE TEMPERATURE	Between +5°C and +40°C
EXPIRY AND STRONGE CONDITIONS	1 year after the production date



Joint Filling Materials

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G 200

GROUTING POWDER

AAA

Product Introduction

BOB's antibacterial grouting powder is a specialized formula designed for filling joints in tiles, ceramics, and stone. It is specifically engineered for environments requiring permanent hygiene and cleanliness, such as bathroom floors, hospitals, and food production facilities. Key performance features include anti-stain and dust-repellent properties, long-term color stability, exceptional adhesion strength, and high elasticity to prevent cracking over time.

How To Use

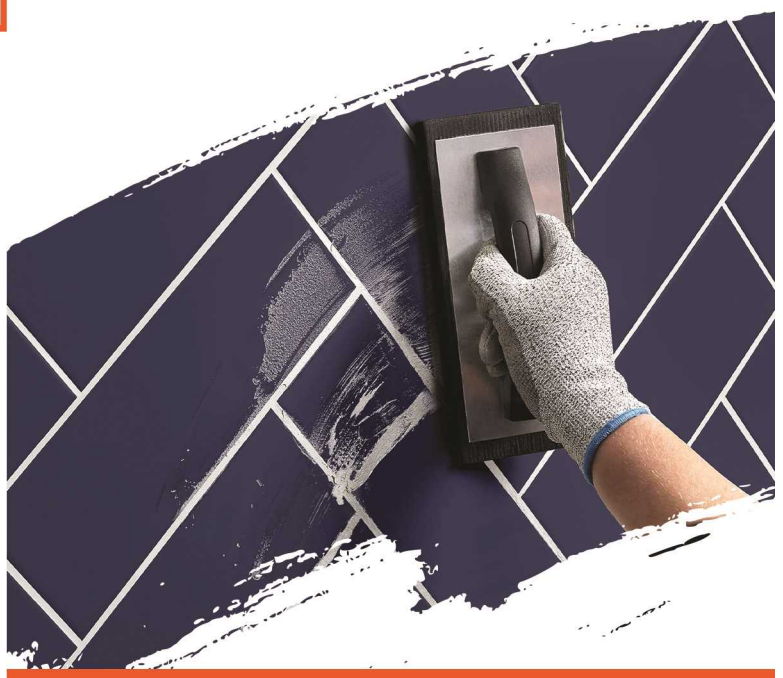
To prepare the grout, pour 1 liter of clean water into a container and gradually add the powder while mixing with a mechanical stirrer until a smooth, paste-like consistency is achieved. Allow the mixture to rest for 5 to 10 minutes to ensure the polymer additives are fully activated, then remix briefly before application.

Surface Preparation & Pro-Tips

Ensure the joints are completely free of dust, debris, and grease before starting. It is essential to vacuum or clear any loose particles between the tiles.
Performance Boost: To enhance the chemical resistance and physical properties of the grout, replace the mixing water with L 500 supplementary liquid.
Consistency: Always ensure the powder is mixed into a consistent paste before application.

Important point

Apply the paste directly into the joints using a specialized grout float or spatula. Avoid spreading the grout over the entire surface of the tile or stone, as the residue can be difficult to remove once set. Clean any excess material from around the joints within 30 minutes of application.



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BOB | PRODUCER OF BUILDING CHEMICAL MATERIALS

Specification	Value
Physical State	Homogeneous powder
Color - Specific Gravity	White - 1.4 g/cm3
Features	Antibacterial, Anti-stain, Anti-grime, Waterproof
Mixing Ratio (Water/Supplement)	1 Liter per 4 kg of powder
Installation Temperature	+10 to +40°C
Temp. Resistance (Cured)	-25 to +80°C
Tensile Strength	1 N/mm2
Shear Strength	1 N/mm2
Tensile Adhesion (After Water)	1 N/mm2
Tensile Adhesion (After Heat)	1 N/mm2
Chemical Resistance	Resistant to household acids
Pot Life / Open Time	30 Minutes
Initial Drying Time	48 to 72 Hours after installation
Grouting Time	72 Hours after installation
Consumption Rate	According to the table on the company website
Shelf Life & Storage	Max 2 years; away from moisture & direct sunlight

Based on tile size and grout width

Formula

$$\text{Grout powered quantity(kg) per m2} = \frac{\text{Tile width(mm)+tile length(mm)}}{\text{Tile width(mm)×tile length(mm)}} \times \text{1/53×joint depth×joint width}$$

Applications

- Grouting of tiles and ceramics in bathrooms, toilets, and kitchens.
- Grouting of ceramics that are constantly exposed to washing with corrosive chemicals.

Advantages of Grout Powder

- Moisture Protection: Prevents moisture from penetrating into the underlying layers.
- Structural Integrity: Increases strength between building materials and prevents them from detaching or falling.
- Aesthetic Appeal: Enhances beauty through a variety of colored powders.
- Antibacterial Properties: Prevents the growth of fungi and mold in bathrooms and toilets.

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