



Aquapoxy FGS

Impregnating water base epoxy primer / sealer

DESCRIPTION

Aquapoxy FGS low viscosity free VOC water-based epoxy primer used as primer for various water base epoxy and polyurethane systems.

SUITABLE USES

New or existing concrete, masonry, board, ferrous and non ferrous metal, epoxies and polyurethanes

- Anti-dust floor sealer
- Abrasion resistant coating
- Moisture barrier against ground vapour
- Primer for water base coatings

ADVANTAGES

- Excellent abrasion resistance
- Good penetration into substrate
- Good bond with different substrates
- Strengthen porous concrete

SUBSTRATE REQUIREMENT

To obtain desirable result, ensures that Aquapoxy FGS is applied onto a clean, sound and water tight substrate, free of oil, grease, soot, dirt, adhesives, laitance, etc.

SURFACE PREPARATION

- Blast clean, scarify or grind the surface to remove laitance and repair blow hole
- Use Omniclean with jet washing to degrease oil, grease and hydrocarbon.
- Moisture should not be $\leq 20\%$ on Protimeter.

OVER OLD EPOXY COATING

- Blast clean, scarify or grind to remove all loosely coating, laitance, etc.
- Degrease with Omniclean and rinse with water.

WORKING WITH EPOXY

Please read and understand Technical Data Sheet and Safety Data Sheet of each product before using them. We recommend only trained and approved applicator for application of Aquapoxy FGS system.

APPLICATION OF AQUAPOXY FGS SYSTEM

Equip with right tool and equipment before mixing any epoxy. Sample stirrer shown below.

Start stirring Part A (10 kg) and move MG peddler in direction opposite to MG peddler blade rotation for about 1 minute to obtain a homogenous and uniform mass.



Then add Part B (5 kg) slowly while the mixer continues blending. Blend the mixture for another 1 minute before using. No dilution is needed.



For spray application, we recommend to use Graco airless spray pump. Please remove all filters from pump and spray gun. Check with your local supplier for more detail.

COVERAGE

As a Primer coat

$\geq 200\text{g}/\text{m}^2$

As anti-dust sealer

$\geq 300\text{g}/\text{m}^2$

Sample coverage

Type of substrate

Over new concrete/ plaster
Over existing coating
Over timber

Usage

$\geq 150\mu$ D.F.T.
 $\geq 100\mu$ D.F.T.
 $\geq 120\mu$ D.F.T.



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PHYSICAL PROPERTIES

Appearance	Viscous liquid
Abrasion ASTM D4060	Weight loss < 0.1g/ 1000 cycles/1000g/CS-10
Adhesion at 14 days ASTM D3389-D 3002	Class 0 Cross cut tester n°157
Bond strength ASTM D4541	> 2.0 N/mm ² after 7 days curing
Colour	Resin light yellow
Touch dry Over coat interval Full cure	1.0 hour @ 30°C 4.0 hours @ 30°C 7 days @ 30°C
Pot life (A+B)	30 minutes @ 25°C
Product dilution	No dilution
Viscosity	>100 CPS Brookfield 25°C

PACK SIZE

10 kg set - 5kg (Part A) + 5kg (Part B)
20 kg set - 10kg (Part A) + 10kg (Part B)

POTLIFE & SHELF LIFE

Pot life : 30 to 40 minutes after mixing
Shelf life : 09 months in sealed condition
Do not use any mixture after 40 minutes.

STORAGE & TRANSPORTION

Keep Aquapoxy FGS in cool and dry condition.
Store in it original sealed condition.

LIMITATIONS

- Aquapoxy FGS may not bond properly to curing compound or waterproofing agent. Bond or pull off test is recommended to determine suitability before actual application.
- Coverage and consumption vary depending on porosity and roughness of substrate.
- Suitable application temperature is 15°C to 45°C
- Apply or install when relative humidity is <75%

DISCLAIMER CLAUSE

This TDS summarizes our best knowledge of this product, including how to use the product based on the information available at the time of publication. You should read this TDS carefully, consider and try out the information in the context of how the product will be used, including in conjunction with any other product, type of surfaces to, and the manner the product will be applied.

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