



Aquapoxy™ Screed

Water based Cement Screed/ Patch Repair Mortar

DESCRIPTION

Aquapoxy™ Screed is a water-based epoxy screed and patch repair mortar. It provides excellent bond onto freshly cured concrete and act as a moisture barrier against rising floor moisture.

SUITABLE USES

New or existing concrete floor. It has good abrasion and chemical resistant and is suitable for following area of application;

- Food, pharmaceutical and water processing plant, treatment plant, power station, etc.
- Kitchen hyper mart, hospital restaurant, clean room, laboratory, warehouse, etc.

ADVANTAGES

- Good chemical & solvent resistant
- Good abrasion resistant
- Durable, hardens and dust proofs
- Barrier against up rising floor moisture

SUBSTRATE REQUIREMENT

To obtain a desirable result, ensure that Aquapoxy™ Screed system is be applied on to a clean, sound and water tight substrate free of existing coating, oil, grease, soot, dirt, adhesives, laitance and any other surface contamination and defect.

SURFACE PREPARATION (FRESH CONCRETE)

- Fresh concrete should be at least 14 days old.
- Blast clean, scarify or grind the surface to remove laitance and expose blow hole
- Patch blow holes, cracks, etc. with Aquapoxy™ Screed or filler that has bond strength >1.0 N/mm².
- Wash floor with Omniclean and pressure washing to remove grease, oil, soot, etc. and allow water to dry off before screed the floor.

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 be engaged to apply Aquapoxy™ Screed system.

APPLICATION OF AQUAPOXY™ SCREED

Equip with right tool and equipment before mixing epoxy screed. Sample of a stirrer is shown below.

Start stirring Part A (Base) and move MG peddler in direction opposite to MG peddler blade rotation for 2 minutes to obtain a uniform and homogenous mass.



Add Part B (Hardener) slowly while the mixing continues. Blend for 2 minutes more before adding part C.



Add Part C (cement-filler) to the mixture and add no more than 2 litres of water while mixing continue. Stop until a homogenous mass is obtained. Pour the material over the floor and use a rake or notch trowel to spread and level the material.

Sample coverage

<u>Type of application</u>	<u>Min. usage</u>
On Horizontal surface	: 2.2kg/mm/m ²

SUITABLE TOP COAT

Aquapoxy™ Screed can be top with various type of coating systems like Epoxy™ 126FS, Epoxy™ 126, Epothanes™, Aquapoxy™ FGS, Aquapoxy™ FG, Aquathanes™ FG, etc.



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PHYSICAL PROPERTIES

Appearance	Cement Grey screed
Abrasion ASTM-D-4102	Weight loss < 0.2g/1000 cycles/ 1000g / CS-17
Adhesion at 14 days ASTM D3389-D 3002	Class 0 Cross cut tester n°157
Bond strength ASTM D4541	> 1.0 N/mm ² after 07 days curing
Colour	Grey
Compressive Strength	> 34.5 MPa
Touch dry Over coating Full cure	08 hours @ 30°C 20 hours @ 30°C 07 days @ 30°C
Pot life (A+B+C)	20 minutes @ 30°C

POTLIFE & SHELF LIFE

Pot life : 20 minutes when mixing starts
Shelf life : 3 months in sealed condition
Do not use any mixture after 20 minutes.

STORAGE & TRANSPORTION

Keep AquapoxyTM Screed in cool and dry condition.
Store in it original sealed condition.

LIMITATIONS

- AquapoxyTM Screed may not bond properly to curing compound or other coatings on concrete. 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 installation temperature is 15°C to 45°C
- Apply or install when relative humidity is <75%

CLEANING TOOL & EQUIPMENT

Use water to clean before material start to harden

COVERAGE

As a base screed

1000µ D.F.T. requires about 2.2 kg /m²
2000µ D.F.T. requires about 4.4 kg /m²
3000µ D.F.T. requires about 6.6 kg /m²

As a moisture barrier (min. thickness)

2000µ D.F.T. requires about 4.4 kg /m²

PACK SIZE

3 kg (Part A) , 3 kg (Part B) & 20 kg (Part C)
Total weight : 26 kg per set

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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