

AQUASMART®-STONE CARPET

Unique Water based two component, Aliphatic, Polyurethane binder and gap filler for marble stone carpets

DESCRIPTION

AQUASMART® -STONE CARPET is a two component, water based, aliphatic binder for marble stone carpets. The product is recommended to be used for indoor applications.

The product has excellent UV, chemical, water and abrasion resistance.

For marble stone binding, 8% by weight of stones of material is used and application is carried out by spatula. For gap filling, recommended consumption is 1Kg/m² and application is first carried out with rubber spatula with pressure and finished off with short hair roller.

RECOMMENDED FOR

- As a Binder for marble stone carpets (indoor use)
- As a gap filler for marble stone carpets (bathroom and indoor applications)

FEATURES & BENEFITS

- Water based
- Easy to apply .
- Excellent UV resistance.
- Relatively long pot life

APPLICATION PREREQUISITES

Standard concrete substrate conditions (no primer needed):

- Hardness: R₂₈ = 15 Mpa.
- Temperature: 5-35 °C.
- Relative humidity: < 85%.

Suitable primers: **AQUADUR™**, **AQUASMART-DUR**, **UNIVERSAL PRIMER**, **MICROSEALER** depending on the substrate. Please contact our technical department for primer selection advice.

APPLICATION PROCEDURE

Clean the substrate using a high pressure washer, if possible. Remove oil, grease and wax contaminants.

Mixing:

Use a low speed (300 rpm) mixer . Add second component and continue mixing for a few minutes.

Application:

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CLEANING

Clean tools and equipment with water.

PACKAGING

10 + 0,5 Kg kits

SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25 °C.

SAFETY INFORMATION

The MSDS (Material Safety Data Sheet) is available on request.

AQUASMART[®]-STONE CARPET

TECHNICAL SPECIFICATIONS

In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Solids content (in water)	%	-	40
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25 °C	6-7000
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C	1
Required application temperature	°C	-	> 5

In cured form (after application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Hardness	Shore D	ASTM D2240 / DIN 53505 / ISO R868	60
H ₂ O absorption	%	-	< 4
QUV Accelerated Weathering Test (4hr UV, @ 60 °C (UVB-Lamps) & 4hr COND @ 50 °C)	-	ASTM G53	passed (2,000 hours)
Resistance to HCl 1N, PH=0.5	-	10 days @ 25° C	passed
Resistance to KOH 5%	-	10 days @ 25° C	passed

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