

AQUASMART® PU 2K PAINT

Water based, two-component Fully Aliphatic Polyurethane Crack-Bridging, anti-carbonation paint for interior and exterior walls

DESCRIPTION

AQUASMART® PU 2K PAINT is a two component, water based, aliphatic elastic, hydrophobic polyurethane paint with exceptional performance in difficult climatic conditions.

AQUASMART® PU 2K PAINT displays zero dirt pick up and being 100% aliphatic polyurethane does not yellow or discolor over time.

Apply with brush, roller or airless spraying in two coats. The quantity applied is depending on the final use requirements.

RECOMMENDED FOR

The product is recommended as a crack-bridging, waterproofing wall paint for both interior and exterior walls.

LIMITATIONS

Not recommended for:

- Unsound substrates,

FEATURES & BENEFITS

- Water based.
- Easy to apply & repair.
- Thixotropic.
- Elastic.
- Capable of bridging small cracks.
- Water vapor transmission: The film breathes so there is no accumulation of humidity under the coat.
- Excellent weather and UV resistance.
- Easy coloring of product with almost any water-based pigment paste available at hardware stores.

APPLICATION PREREQUISITES

Can be successfully applied on:

Concrete, stucco, over old acrylic well adhered paints.

APPLICATION PROCEDURE

Priming: Depending on the application specifications and performance demands various primers may be used.

For humidity barrier properties we recommend the use of either AQUADUR or AQUASMART-DUR epoxy primer.

For refurbishment over old acrylic paint please contact our technical department.

Mixing:

Use a low speed (300 rpm) mixer. Add second component and continue mixing for a few minutes. Although thinning is not necessary, the material can be further thinned by 5-10% water.

Application:

Apply with roller, brush or airless spraying in two coats.



Do not apply under conditions of wet weather or expected wet weather or on low temperature.

CONSUMPTION

Minimum consumption: 200 g/m² per coat

CLEANING

Clean tools and equipment immediately with water.

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PACKAGING

2,5 Kg component B + 25 gr Comp. A
12 Kg Component B + 120 gr Comp A

SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at

temperatures of 5-25 °C. Once opened, use as soon as possible.

SAFETY INFORMATION

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

TECHNICAL SPECIFICATIONS

In liquid form (before application):

70% active substance.

| PROPERTY | UNITS | METHOD | SPECIFICATION |
|----------------------------------|--------------------|--|---------------|
| Viscosity (Brookfield) | cP | ASTM D2196-86, @ 25 °C | 8,000-12,000 |
| Specific weight | gr/cm ³ | ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C | 1.25-1.35 |
| Required application temperature | °C | - | > 5 |

In cured form (after application):

| PROPERTY | UNITS | METHOD | SPECIFICATION |
|--|-------------------|--------------------------|----------------------|
| Service temperature | °C | - | -30 to 90 |
| Tensile strength at break @ 23 °C | N/mm ² | ASTM D412 / EN-ISO-527-3 | >7 |
| Elongation @ 23 °C | % | ASTM D412 / EN-ISO-527-3 | > 300 |
| QUV Accelerated Weathering Test (4hr UV, @ 60 °C (UVB-Lamps) & 4hr COND @ 50 °C) | - | ASTM G53 | passed (2,000 hours) |
| Resistance to sodium Hypochlorite 5% | - | 10 days @ 25° C | passed |
| Resistance to HCl 1N, PH=0.5 | - | 10 days @ 25° C | passed |

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|--|---|-----------------|------------------------|
| Resistance to KOH 15% | - | 10 days @ 25° C | passed |
| Resistance to Isopropyl alcohol | - | 10 days @ 25° C | Non-permanent swelling |
| Resistance to sulphuric acid 5% | - | 10 days @ 25° C | passed |
| Resistance to orthophosphoric acid 10% | - | 10 days @ 25° C | passed |

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