

BYFLEX PLUS

ACRYLIC EMULSION BASED FLEXIBLE MATT EXTERIOR COATING

DEFINITION

Acrylic emulsion based, waterborne, flexible, shows crack bridging and CO₂ barrier properties and matt exterior coating material.

PROPERTIES

BYFLEX PLUS makes a cross-linking by the presence of UV light (sunlight) and is flexible and perfectly resistant to abrasive and variable weather conditions. The general properties are;

- High opacity
- High alkali resistance
- High UV resistance
- Crack bridging
- Elastomeric behaviour between -40 °C and +60 °C
- Low water absorption
- Breathable
- Prevents the corrosion by CO₂ barrier property
- Stain repellancy

AREAS OF APPLICATION

BYFLEX PLUS can be applied and used safely in all interior and exterior areas.

SURFACE PREPARATION

The surfaces should be cleaned of dust, stain, and impurities. The dusty and weak surfaces should be scratched and cleaned out as well as the swelling and limy surfaces. Decopaste Ex-0250 or Dekonar group should be applied in case of a repairment. For the concrete surfaces, C-Bond primer should be applied prior to the application of putty or grout.

APPLICATION

Before the application of BYFLEX PLUS, the surfaces are recommended to be treated by Elastek Prime, Elastek Prime Pigmented Primer due to its extra elasticity. Nevertheless, the surfaces should be primed by Byprime Sil and Byprime pigmented (dilution by % 5-10) by roll or airless spray gun as one layer. For the interior limy surfaces, it is recommended to apply Byprime-GP. It is applied after priming and patterned by plastic pattern trowel.

PACKAGING AND STORAGE

BYFLEX PLUS is produced in 15/7,5/2,5 Lt plastic pails. The goods should be stored in clean and dry areas and kept away from sun, rain, hot and cold weathers. The unsealed goods can be stored for 12 months.

HEALTH AND SECURITY

S2 Keep out of reach of children.

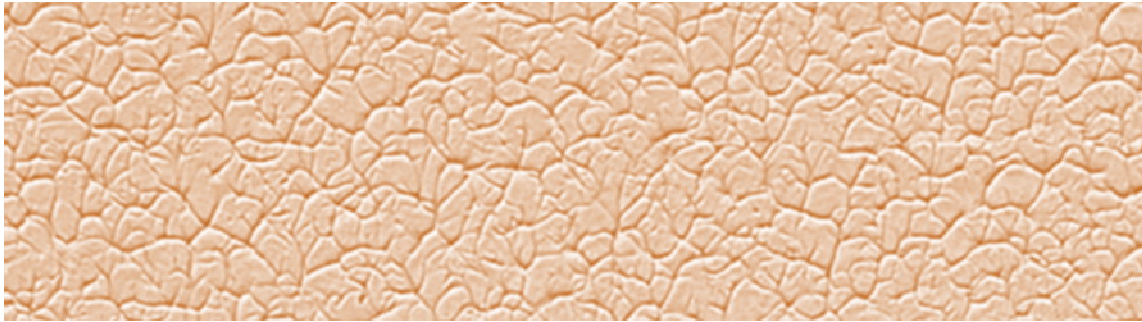
BYFLEX PLUS

ACRYLIC EMULSION BASED FLEXIBLE MATT EXTERIOR COATING

TECHNICAL DATA

| | | | | |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|--------------------|
| Class: | TS EN 1062-1: G ₃ -E ₁ -S ₁ -V ₂ -W ₃ -A ₄ -C ₁ | | | |
| Consumption: | Depending on the pattern and the surface; 0,5-0,8 kg/m ² | | | |
| | CLASS | TS EN 1062-1 Std | BYFLEX PLUS | STD NR |
| Glossiness (G) | G ₃ | G≤10 | 1-3 | TS EN ISO 2813 |
| Film Thickness (µm) | E ₁ | E≤50 | <10 | TS EN 1062-1 |
| Particle Size (µm) | S ₁ | S<100 | <10 | TS EN ISO 1524 |
| Vapour Transfer Rate (m) | V ₂ | 0,14≥Sd<1,4 | Sd<0,20 | TS EN ISO 7783-2 |
| Water Transfer Rate (kg/m².h^{0.5}) | W ₃ | W≤0,1 | W<0,1 | TS EN 1062-3 |
| Crack Bridging | A ₄ | >1250 | >1250 | TS EN 1062-7 |
| CO₂ permeability | C ₁ | >50 | >50 | TS EN 1062-6 |
| Viscosity (KU, Paste speed) | | | 110-120 | TAL-058 |
| Density (g/cm³) | | | 1,43±0,05 | TAL-001 |
| pH | | | 8-9 | TAL-004 |
| %VOC | | | 28,1 g/l | EPA TEST METHOD 24 |

PATTERN



BYFLEX PLUS CORAL ROLL APPLICATION