



VITCON 2012 FLEXIKOTE

Acrylic Waterproofing Flexible Coating

DESCRIPTION

VITCON 2012 FLEXIKOTE is an elastomeric premium quality acrylic based coating best suitable for any waterproofing applications. The high solid acrylic content makes **VITCON 2012 FLEXIKOTE** more durable and effective for protection of concrete as well as metal structures.

ADVANTAGES

- ✓ Excellent resistance to ultraviolet radiation.
- ✓ Excellent bonding to all building substrates.
- ✓ Forms a durable waterproofing breathable coating.
- ✓ Reduces water permeability.
- ✓ Improves resistance to alkali and carbonation effect.
- ✓ Suitable for use in slightly damp conditions.

APPLICATION

Substrate Preparation

The substrate to be treated has to be thoroughly cleaned and all loose particles, oil, grease, dust etc. should be removed. The cleaned surface then needs to be washed with clean water.

For hairline cracks on concrete surfaces, thorough cleaning is recommended. But for cracks more than 2 mm has to be opened and cut in a shape of "V" groove. The cut groove is then filled with cement mixed with either VITCON 2013 SBR or VITCON 2011 Polykote depending upon the size and nature of cracks.



Sealer Coat

VITCON 2012 Flexikote has to be diluted with water in a ratio 1:5 by weight. The diluted material has to be coated on masonry substrate either by brush or roller or spray to get a better adhesion.

First Coat

After the sealer coat is dried up (approximately 6 to 8 hours after application), the first coat of VITCON 2012 has to be applied.

VITCON 2012 has to be diluted with 10 to 30% clean potable water before application. The dilution varies depending on application areas and substrate requirements. Normally it is recommended to dilute upto 30% for external wall applications and 10% for roofing applications.

Second Coat

After the drying of first coat (approximately 6 to 8 hours after application), the second coat has to be applied.

Further coats may be applied depending upon substrate conditions.

The coated surface should be allowed to dry for a minimum of 24 hours before putting any external load.

COVERAGE

- ✓ Sealer Coat : 125 to 175 square feet per kg
- ✓ First Coat : 65 to 85 square feet per kg
- ✓ Second Coat : 75 to 95 square feet per kg

The above coverage may vary depending on substrate and climatic conditions.



SPECIFICATIONS

| PROPERTY | TYPICAL VALUE | TEST METHOD |
|------------------------------|--|-----------------|
| Colour | White | |
| Viscosity, CPS | 50000-70000 | Brookfield |
| Density, kg / l | 1.30 (+/0.05) | ASTM-D-14785-16 |
| Application Temp, °C | +5 (minimum) | In-House Test |
| Curing Time, at 25°C | Approx.8hr. for touch dry | In-House Test |
| Service Temperature °c | Approx.-5 to 100 | In-House Test |
| Tensile Strength, N/CM2 | 480 | ASTM-D-412 |
| Elongation, at Break % | 440 | ASTM-D-412 |
| Hardness, Shore A | 68 | ASTM-D-2240 |
| Permeability | Pass | ASTM-E-398 |
| Dry Pee Adhesion, ibs/sq.in. | 65 | ASTM-C-297 |
| Flexibility | No cracking of film after 1000 hrs. accelerated weathering conditions and flexed 180 degrees | In-House test |
| UV Resistance | 2000 hours no deterioration and no colour fade | ASTM-D-822 |

PACKAGING

VITCON 2012 Flexikote is available in 20 kg containers.

SAFETY

VITCON 2012 FLEXIKOTE is water based and non-hazardous. However, it should not be swallowed or allowed to come in contact with skin and eyes.