

DONCRETE- FLEX-PU

High Performance Elastomeric Self-Leveling Single Component Polyurethane Liquid Applied Waterproofing Membrane| High Build Waterproofing

Product Description

DONCRETE– Flex-PU is a high-performance single component moisture cured pure polyurethane self-leveling elastomeric liquid membrane.

DONCRETE– Flex-PU is resistant to Chlorides & sulphates present in the soil & to most mild acids and alkalis.

Application

- Podium, Terraces, Roof
- Balconies, terraces, parking garages, asbestos & concrete roofs, façade damp proofing
- Tunnels, Foundations, cellar walls, protective coating for sub structure,

Advantages

- Single component & cold applied
- Resistant of root growth
- Moisture vapour permeable
- Good UV stability with long term aging stability
- Cured membranes are highly flexible even at extreme temperatures
- Excellent resistance to oxidation
- Ready to use

Product Data

Type

100% Polyurethane based elastomeric coating membrane.

Form

Viscous liquid -Grey / Black, Other Colours on request.

Packaging

Available in 25 Kg MS Pail

Shelf life

09 months in original unopened container under controlled storage conditions. Avoid exposure to extreme conditions.

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Storage Condition

Store in controlled dry and cool area between 15°C and 25 °C Protect from direct sunlight and not be put stored with other chemicals. Avoid exposure to extreme temperatures

Technical Data	
Appearance	Viscous Liquid
Solid content % (ASTM 836)	92 ±2%
Density @ 27°C	1.40 ±0.05
Tack free time @ 27°C	6 – 8 hrs
Time to cure @ 27°C, RH 50% (to commence screeding work)	72 hrs
Properties of Fully cured membrane (28 days)	
Elongation (ASTM D 412)	≥ 650%
Tensile strength, N/mm ² (ASTM D 412)	≥ 2.20
Shore Hardness 00 (ASTM C 836)	= 50
Crack Bridging (ASTM C 836)	up to 2 mm
Plant Root Resistance	Resistant
Service Temperature	-45 °C to 75 °C
Adhesion to primed concrete (N/mm ²)	≥ 1.5
Recommended Application Temperature :	10 °C to 40 °C

Conforms to ASTM C-836 & ASTM C-898

Application Notes

DONCRETE- Flex-PU can be applied by brush, roller, squeegee or airless spray. Prime the surface with anti-root primer cum sealer with **DONCRETE- PRIMER-151** @ 150 ml- 200 ml / m² depending on the porosity of the surface.

Apply the 1st coat and ensure that the preceding coat is fully dry before applying the successive coat, which should be applied at right angle to proceeding coat.

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Allow second coat to fully dry for atleast 48 hours before laying any protection layer or screed.

Surface conditions

Maximum moisture content should not exceed 5%. Substrate should be sound with compressive strength should be at least 25 MPa. Old, loose coating, dirt, grim, oils, organic substances and dust need must be removed properly.

Possible surface irregularities need to be smoothed.

Coverage

Approximately 1.30 Kg – 1.40 Kg per sqm for 1 mm thickness (theoretical coverage), actual coverage may vary depending on surface conditions at site.

Value Base

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

Health & Safety

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Disclaimer

The information and recommendations relating to the application and end-use of **Don Building Chemicals** products, are given in good faith based on **Don Building Chemicals** current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with **Don Building Chemicals** recommendations. In practice, the differences in materials, substrates, dosage/ coverage and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. **Don Building Chemicals** reserves the right to change the properties of its products.

TECHNICAL COLLABORATION WITH



Don Building Chemicals (India) Pvt. Ltd.
B-111-112, Santosh Complex, Vibhuti Khand,
Gomti Nagar, Lucknow- 226010
E-mail: donbuildingchemicals@yahoo.com
Website: www.donbuildingchemical.com



Doncrete USA Inc.
Governors Hwy 292, PA-8, Oil City
PA-United States- 24601
E-mail: help@doncreteusa.com
Website: www.doncreteusa.com

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