

# DONCRETE- FLEX-PU-WB

Elastomeric Single Component Water Based UV Resistant Modified Polyurethane Liquid  
Applied Waterproofing Coating | High Build Waterproofing

## Product Description

**DONCRETE– Flex-PU-WB** is a high-performance aliphatic single component water-based UV resistant, ecofriendly, flexible modified polyurethane cold applied coating membrane. It cures to a permanently flexible seamless membrane with good adhesion to various range of substrates. It does not embrittle with age or exposure to UV light.

Fast and easy application by roller, brush or spray.

## Application

**DONCRETE– Flex-PU-WB** can be used in water /vapor proofing of

- Terraces, Roof, Dome structures
- Balconies, parking garages & concrete roofs
- Façade damp proofing
- Foundations, cellar walls, retaining walls, bridges abutments
- Waterproofing/curing membrane & protective coating for sub structure

## Product Data

### Type

Water dispersed modified polyurethane membrane

### Packaging

25 Kg. Pails

### Color Available

White/Grey (other colors available on request) (White SRI value > 108), imparting energy saving, cooling effect.

## Technical Product Data

Appearance	Pasty liquid
Solid content % (ASTM 2369)	70% ± 05
Density @ 25°C	1.3 ±0.05
Tack free time @ 28°C	3 - 4 hour
UV stability	Excellent (No evidence of cracking deterioration, Loss of flexibility)
Shore A Hardness	= 50
Elongation (ASTM D 882)	≥ 400%
Tensile Strength, N/mm <sup>2</sup> (ASTM D 882)	2.0 ± 0.20
Pull out Adhesion Test, N/mm <sup>2</sup> (ASTM D 4541)	≥1.5
Crack Bridging	Upto 2.0 mm

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Recommended Application Temperature:	5°C to 40° C
Freeze/thaw stability	Stable

## Advantages

- Ready to use
- Single component & cold applied
- Breathable – allows water vapour to escape
- UV resistant, chemical resistance and weather resistant & long-term aging stability
- Excellent adhesion to most surfaces
- Resistant to chemicals to fungal growth
- Can be applied on damp surface
- Easy to use & environment friendly

## Material Preparation

**DONCRETE– Flex-PU-WB** with a slow speed paddle mixer for suitable mixing to ensure a homogenous mix. After mixing allow sometime for entrapped air to escape.

## Application Notes

The surface properly clean and rough the surface for good bonding.

Prime the concrete surface by diluting **DONCRETE– Flex-PU-WB** in the ratio of 1:1 with clean potable water, depending on the surface primer consumption may vary. Allow primer to dry before starting with the waterproofing coating.

Apply the 1<sup>st</sup> coat of **DONCRETE– Flex-PU-WB** by roller/brush/spray Allow 1<sup>st</sup> coat to dry for 3 – 4 hours. Apply 2<sup>nd</sup> coat of **DONCRETE– Flex-PU-WB** by roller/brush/spray, ensuring the which should be applied at right angle to proceeding cool. Allow 2<sup>nd</sup> coat to fully dry in to 42 – 48 hours before using Geotextile separation layer.

For large areas – 3 coat application is recommended reinforcing with non-woven fibre mesh fabric.

## Coverage

Approximately 1.70 – 1.80 Kg per sqm for 1 mm DFT thick film coating in two coats. Thickness may vary depending on the surface conditions.

## Storage Condition

Store in a dry and cool area. Protect from direct sunlight and not be put stored with other chemicals.

## Shelf Life

12 months in original unopened container under controlled storage conditions.

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## Recommended Storage, dispatch

Proper handling and care should be taken during transportation process to prevent from rain and sunshine. The product should be stored in ventilated and dry place and avoid storage with other chemicals.

## 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 our 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 recommendations. In practice, the differences in materials, substrates 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



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