

# DONCRETE-A&B

## HIGH PERFORMANCE POLYMER MODIFIED TWO PACK COATING

**DONCRETE A&B** is a high performance polymer modified two pack coating system which requires only simple on site mixing to provide a highly effective, hard wearing, waterproof membrane.

Easy to apply by either brush, roller or trowel, **DONCRETE A&B** will overcoat concrete, masonry and most common construction materials, providing an effective barrier to water, salts and atmospheric gases.

It is a blend of specially selected cements, precisely graded silica, dolomite fillers and chemical admixtures with a liquid component of pure acrylic copolymer and wetting agents.

Conforms to **IS: 13435 Part-3-1992/DIN-1048/BS : 1881 Part – 208/CRD-C-48/DIN – 52617**

### USES:-

- a. Waterproofing of roofs, plaza and car park decks, sunken slab, all types of water retaining / underground structures.
- b. It can be used as a protective UV resistance sleeve coat for costly resin or other vulnerable when exposed waterproofing system.
- c. For repair of old existing damaged waterproofing system.
- d. Sealing fine hairline cracks in concrete structures.

### ADVANTAGE:-

- I. 2 mm thick film has a crack bridging capacity of >1 to 1.5 mm.
- II. Two pack and easy to apply by brush.
- III. Highly elastomeric properties.
- IV. Non-toxic & safe.
- V. Resistance to oil, diluted acid and diluted alkali.
- VI. Protect against Water Penetration.

### TECHNICAL SPECIFICATION:-

➤ Product:	DONCRETE- A&B
➤ Color:	Gray, White
➤ Dry Component A:	Unique blend of cementitious material
➤ Liquid Component B:	White polymer emulsion and admixtures
➤ Working Time:	Approximately 30 minutes
➤ Shore A Hardness: (ASTM D-2240)	85
➤ VOC	0 g/L
➤ Bond/Adhesion: (ASTM C-321)	1.5 MPa @ 28 days
➤ Tensile Strength: (ASTM D-638)	750 psi
➤ Elongation: (ASTM D-638)	100%
➤ Crack Bridging: (ASTM E-836)	1/8'' opening @ 77 <sup>0</sup> F...Pass(No Rupture)

# DONCRETE-A&B

## HIGH PERFORMANCE POLYMER MODIFIED CEMENTIOUS COATING

- Vapor Permeability: (ASTM E-96) 0.75 perm/inches
- Waterproofing: Withstands 200 psi = 460 feet (6 bar = 140m)  
@ 2mm thick .

- CO<sub>2</sub> diffusion resistance (Tay wood method)

After 5000 hrs UV2 >50 m

- Adhesive Strength with concrete 30 kg/cm<sup>2</sup> (aprox)

- Compressive strength 175 kg/cm<sup>2</sup> at 3 days

300 kg/cm<sup>2</sup> at 28 days (aprox)

### APPLICATION:

Surface should be free of oil, grease and loose particles. Cracks should be repaired with **DONCRETE A&B**. In case of metal surface remove rust and contamination for better protection.

Use corrosion resistance primer.

**DONCRETE A&B 2:1** (Powder : Liquid) apply by brush, spray or roller. After the primer coat is completely dried apply minimum two coats of **DONCRETE A&B**. It is very important to ensure each coat is totally cured. (I.e. 8 hours at 30<sup>0</sup>C) before the next coat is applied. For better result use glass fiber reinforced mat embedded into first coat of **DONCRETE A&B** while still wet including expansion areas and joints with parapet.

**Mixing :** The liquid polymer is poured from the plastic container into drum having a volume of at least liter and the powder is gradually added 20 kg and mixing by spiral paddle attachment on a slow speed drill only 3 to 5 minutes only.

All tools should be cleaned by water immediately after use.

### Waterproofing: pay attention to detail

In the waterproofing sector, more than in any other sector, it is essential to pay particular attention to details, which alonen are capable of making a difference. This is why it is essential to use products from the lines in combination with **DONCRETE-A&B**.

**DONCRETE TPE-Tape** is used to seal structural joints, gaps and interruptions subject to high dynamic stress, while **DONCRETE BAND-SA** are used to waterproof fillet joints between horizontal and vertical surfaces and check joints.

### SCREED APLICATION:-

A cover of 20 mm think cement-C. Sand mortar (1:4) admixed with 200 ml. waterproofing chemicals **DONCRETE - RMW** (IS: 2645) or **Concrete -T** hydrophobic render @10-20 mm thick.

### COVERAGE:-

Recommended two coats of **DONCRETE A&B** for better waterproofing at the rates of 2 Kg per m<sup>2</sup> for 1.00 mm.

# DONCRETE-A&B

HIGH PERFORMANCE POLYMER MODIFIED CEMENTIOUS COATING

**PACKING:-** Powder – 20 Kg : Liquid – 10 Kg .

**STORAGE:-**

Store under cover and preferably below 30<sup>0</sup>C. Maximum two years in unopened container.

**TECHNICAL SERVICE DEPARTMENT:-**

Don Building Chemical is pleased to offer full technical support of specific application.



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](mailto:donbuildingchemicals@yahoo.com)  
Website: [www.donbuildingchemical.com](http://www.donbuildingchemical.com)

Doncrete USA Inc.  
Governors Hwy 292, PA-8, Oil City  
PA-United States- 24601  
E-mail: [help@doncreteusa.com](mailto:help@doncreteusa.com)  
Website: [www.doncreteusa.com](http://www.doncreteusa.com)

DONCRETE-A&B HIGH PERFORMANCE POLYMER MODIFIED CEMENTIOUS COATING

DONCRETE-A&B