

# DURAKRIT

*Waterproof Breathable Cementitious Composite/Acrylic polymer*

## DESCRIPTION

**DURAKRIT** is an acrylic based cementitious liquid polymer for waterproof cementitious coating in slurry form and cement/sand mortar form. It conforms to ASTM C1042, DIN 1048 & ASTM D4541.

## USES

Application	Cement kg.	Sand kg.	Durakrit kg.	Typical Yield L	Typical Coverage, m <sup>2</sup> with x mm Thickness.
a) Bond Coat	2	2 (Zone III)	1	2.5	3.5 (Single Coat), x=0.80
b) Waterproof Cement Slurry	2	-	1	1.6	2.50 (2 Coats), x=1.10
c) Repair/Tilling Mortar/Quick Setting Polymer Mortar	2	5.5 (Zone II) (For quick set add Dura 3 @ 0.10 L	1	4.2	2.25 x=2
d) Heavy duty floor top	2	4.6 (Zone II) Gravel 6 mm=4	1	5.6	1.15 x=10
e) Injection Grouting	2	Dura EV @ 250 gm/ 50 kg Cement	1	1.7	-



## FEATURES

- Highly waterproof cementitious composite.
- Excellent bonding to the most building materials.
- Superb breathing, UV (Ultra-Violet) and chemical resistance.
- Resilient and yet tough hardened cementitious film or mortar.

## SURFACE PREPARATION, MIXING AND APPLICATION FOR USE AS A WATER PROOFING SLURRY

The surface must be sound clean and free from oils, grease or other contaminants. Any loose materials, rust scale dirt, laitance shall be removed by approved means. Dampening of the surfaces is a must. SSD condition of the surfaces is ideal. Mix 2 parts of the cement with 1 part of our **DURAKRIT** polymer till smooth consistency results (3 to 4 minutes) and then apply this part of slurry on the SSD surface and within next 5 to 6 hrs, another coat may be applied to get waterproof surface. Simple moist curing after 10 hrs. will do. Fresh OPC 43 or 53 grade should be used. Glass fabric may be laid between two layers. Protect the freshly laid surface from rain. Rapid drying out of coating shall be prevented. Traffic may be open after two days.

## TECHNICAL DESCRIPTION:

Physical Appearance : Faint Bluish White/Milky liquid  
Specific gravity : 1.01 - 1.05  
pH value : 7 - 9  
Chloride content : Nil  
Typical Test Results at 30° 30°C, 60% RH

Properties

**OPC = 2 kg  
Durakrit = 1 kg**

**Mixes OPC= 1 kg  
Sand Zone II = 2.75 kg**

		No Durakrit Water Only	Durakrit = 0.4 kg
Setting Time - Final	: 8h 20m	5h 40m	7h 40m
28d Compressive Strength, Kg/cm <sup>2</sup>	: 275	280	410
28d Flexural Strength, Kg/cm <sup>2</sup>	: Not tested	36	85
28d Bonding Strength, Kg/cm <sup>2</sup>	: 5.2	2.2	5.5
28d Abrasion, gm lost	: 5	100	0.2
Water Absorption % (7d wet+7d dry):	: 0	6	1.10

## SHELF LIFE

12 months if kept in original packing under shed.

## PACKING

1 kg, 5 kg, 25 kg, 100 kg and 200 kg.

## HEALTH & SAFETY

Non-toxic, Non-flammable, Eco-friendly.

✿ Water Proofer ✿ Admixtures  
✿ Epoxy products ✿ Flooring ✿ Grouts  
✿ Repairs Material

**DURA BUILD CARE PVT. LTD.**



In Knowledge  
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AN ISO 9001 : 2008 COMPANY

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