

CONCRETE BOND- 104

Product Details

Conforming to: ASTM-C-881 Type I Grade -3 Class B & C BS: 6319, BS: 5385, Part – 4, 1992

General Purpose Epoxy Mortar

Powerful Bonding: Excellent adhesion to most building materials when **CONCRETE BOND-104** is used on a primer. Will cure under damp conditions.

High Strength: Cures quickly at high ambient temperatures to give strengths greater than those of concrete.

Durability: Negligible shrinkage. Excellent resistance to weathering, chemical attack and erosive forces.

COMPOSITION: A blend of epoxy resin with specially graded fine fillers. The material has been specially formulated with selected hardeners to yield practicable workability.

Usage: A 7.5 kg pack will cover an area of approx. 0.375 m² at a thickness of 10 mm.

WHERE TO USE: Repairs to spalled columns, soffits, gutters, lintels etc. Repairs of damaged concrete floors, spalled concrete roads and runways. Making good of damaged concrete Kerbs, pipes and pre-cast units. As a bedding mortar for tiles on uneven floors or under corrosive conditions.

PROPERTIES:

Working life (1 kg mass) : 3 hours at 20°C, 1½ hours at 30°C.

Compressive strength in N/mm²

	2 days	7 days
20°C	90 N/mm ²	105 N/mm ²
40°C	100 N/mm ²	105 N/mm ²

BOND CAPABILITY: In dry conditions, **CONCRETE BOND-104** bond extremely well to a cementations surface previously primed with **CONCRETE BOND-104**. Average bond values in laboratory test approx. 5N/mm².

TEMPERATURE RANGE:

During Application : 10°C to + 50°C
In Service : 20°C to + 50°C

HOW TO USE:

Preparations: Surface should be sound, clean and free from loose particles, laitance and all contamination viz, oil, grease, etc.

Mixing :

CONCRETE BOND-104 comprises three components, the resin base, hardener and aggregate which are supplied pre-weighed in the correct proportions. Pour the hardener into the resin can and mix thoroughly in a metal bucket by using a mechanical stirrer until a uniform color is

CONCRETE BOND- 104

obtained. This liquid and the aggregate are thoroughly blended until the required consistency is obtained.

Description : CONCRETE BOND – 104 is solvent free main performance, non-slumping epoxy mortar all type of concrete repair, low-VOC and non shrinkage products.

PRIMING:

The prepared concrete surface should be primed by the application of **DON CONCRETE BOND-108**; Epoxy Resin which should be brushed well in so that, it thoroughly wets the surface.

APPLICATION:

Before the primer is hardened, i.e., within 1 hour of application, the **CONCRETE BOND-104** mortar should be applied by tamping and toweling, in successive layers not exceeding 15mm in thickness in order to allow full compaction. Finally the mortar should be shaped to the desired profile and trowel led to a smooth finish.

HEALTH AND SAFETY:

Cleanliness when handling the resin is essential to prevent skin irritation.

STORAGE:

At least one year in manufacturer's undamaged, sealed containers in dry conditions and out of direct sunlight.

HOW TO SPECIFY:

Prime the suitably prepared concrete surface with a coating of **CONCRETE BOND-104** Epoxy adhesive and lay **CONCRETE BOND-104** Epoxy mortar strictly in accordance with the instructions of the manufacturer Don Building Chemicals (India) Pvt. Ltd.

PACK SIZE: 9.5 kg

Compressive Strength	1105N/mm ²	@ 7 days (BS : 6319 Part – 2)
Tensile Strength	17.3 N/mm ²	@ 7 days (BS : 6319 Part-7)
Flexible Strength	32.2 N/mm ²	@ 7 days (ASTM – Part -7)
Density	2000 kg/m ³	
Useable Life	40 Minutes	

TECHNICAL COLLABORATION WITH



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