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## TECHNICAL DATA SHEET

This data is provided in the belief it is accurate with in generally accepted standards and is provided for the information of qualified personnel. It does not constitute an offer by the manufacturer warranty or guarantee its accuracy or completeness is describing the performance or suitability of the various products. The users therefore should make their own determination in using the product of the data contained here in for any application.

### **TECHNO BOND 50** ( PVA BONDING AGENT ) Confirms to BS 2354-1974 ASTM C 631-70

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#### DESCRIPTION

- TECHNO BOND-50 is a resin based multipurpose adhesive for the construction industry as a bonding additive to concrete and plasters. Upon drying it forms a strong film which is non-staining and non -discoloring.

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#### USES

- For concrete repairing
- For building up of compression
- To give greater adhesion to mortar and plaster.
- As a general purpose adhesive for bonding-Tiles, Concrete, Roofing, Linoleum polystyrene etc.
- As a primer for over coating bitumen

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#### ADVANTAGES

- Alkali resistant
- Can be applied to damp surface, without puddles or brittleness.
- Once cured, it is flexible and remains unaffected to climatic and weather conditions.
- Works on traction and shearing.
- Non hazardous & non toxic.
- Can be used as a filler by diluting 1: 1 with water, and add suitable bulk ingredient such as plaster, clean fine sand

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#### APPLICATION

- As general purpose adhesive: - TECHNO BOND-50 should be used in concentrated form (as supplied) 20-30 minutes should be allowed for setting.
- Priming: - porous and dusty surface should be cleaned with primer solution made up of 1 part of water to 4 parts of TECHNO BOND-50, or as necessary.
- Keying:- The bonding coat to be made up of 2 parts of water to 1 of TECHNO BOND-50-apply by brush and whilst the coating is still wet carry out plastering for rendering.
- Screeding: - after priming the floor surface make up a screeding compound using 1 part Portland cement, mixed with 3 parts sand. Make it to a workable consistency by mixing TECHNO BOND-50 (in 1 part of Techno Bond -50-to 8 parts of water).
- As a concrete admixture: - TECHNO BOND-50 is added at the rate of 25 -35 liters per 100 kg of cement.
- As filler: - dilute 1:1 with water and add a suitable bulk ingredient such as plaster cement fine sand etc.
- For industrial floor:- use 1 part of sand, 1 part of cement, 2 parts of 3-6 mm granite chip and 25 liter of TECHNO BOND-50 per 100 kg cement.
- As a bonding coat:-use undiluted-1 part of TECHNO BOND-50 with 2 parts of water. For porous surfaces, apply two coats in successions.
- Splatter coat: 2 parts of clean sharp sand, 1 part of cement to 1 part of TECHNO BOND-50 mixed with 3 parts of water.

**COVERAGE:**

	TECHNO BOND 50	COVERAGE ( APPROX. )
Primer Coat	1 : 1	6 – 10 sq.mtr
Bonding Coat	1 : 2	12 – 20 sq.mtr
Anti-Dust Coat	1 : 5	16 sq.mtr ( 2 coats )
Sealer Coat	1 : 3	24 40 sq.mtr
	1 : 4	34 – 45 sq.mtr
Splatter Coat	1 : 3	15 sq.mtr

\* The above coverage is based on typical substrate. Actual coverage may vary according to the porosity of the substrate.

**Technical properties:**

Solid Content	35 % (± 1%)
Specific Gravity at 20°C	1.02 ± 0.2
Viscosity at 20°C	14 – 16000cps
Appearance	Translucent & Hard
Ph factor	5.0 – 5.5
Minimum Film Forming Temperature	5°C
Polymer Type	Poly Vinyl Acetate Homopolymer
Stabilizer	DI Butyle Phthalate
Flammability & toxicity	None

**PACKING :**

TECHNO BOND-50 is available in 5 liter Can, 20 kg Can and 200 kg Drum.

**STORAGE :**

TECHNO BOND-50 should be stored in covered, dry place. Avoid exposure to sunlight.

Shelf life : 12 months, under normal ambient conditions.