

Product data



Verna Epoxy bonder TN

Description:	Verna Epoxy bonder TN a specially formulated non shrink-non sag, solvent free epoxy resin-based system blended with fine inert fillers. Its supplied as tow component material in pre weighed quantities ready for onsite mixing and use.
Standard:	ASTM C881-type II, V&VI. Grad 3-ClassB, C, E&F
Recommended use:	Verna Epoxy bonder TN is primarily intended as a bonder for old concrete to new freshly laid as well as old concrete and cementitious repair products.
Advantages:	▪ non sag: can be applied to vertical surfaces. ▪ adhesion: excellent adhesion for bonding old concrete to new concrete as well as old concrete in load bearing : well as non-load bearing application. Also recommended for bonding and sealing segmental precast elements. ▪ Waterproofing: the cured interfacial surface is impermeable to water proofing barrier for the freshly laid concrete surface.
TECHNICAL PROPERTIES:	
Pot life:	5 hrs. @ 25 C°
Open time:	3-8 hours depending on temperature and humidity.
Bond strength:	As per ASTM C-882 is more than 10.5 N/mm ² and exceeds tensile strength of concrete.
Full curing Time:	7 days.
Minimum application temperature:	5 C°.
Chemical resistance:	The cured surface of Verna epoxy bonder TN is resistant to most aqueous systems, sewage, fresh water, sea water, mild alkalis, mineral oil, vegetable oil, fats, ammonia and formaldehyde.
INSTRUCTION FOR USE:	All grease, oil, contamination, dust laitence and loose concrete must be removed by scabbling or light bush hammer, metal surfaces should be fully degreased followed by grit blasting to BS-4232, second quality or SA2.5(SIS05900). all reinforced bars should be coated with corrosion resistant primer at the interface level. All free-standing water should be removed, and the surface should be dabbed with some absorbent material.
Mixing:	The total base and hardener components should be thoroughly mixed in the base container.
Application details	After mixing apply to the previously prepared substrate using a short haired stiff nylon brush. ensuring through wetting of substrate. It's essential that the new concrete is laid whilst the coat of Verna epoxy bonder TN is still tacky i.e. Generally, about 3 to 4 hours depending on temperature and humidity conditions present during this operation.
Cleaning:	Spillages should be absorbed with sand or earth etc. And disposed of in accordance with local regulations. Clean tools and equipment with water /solvents immediately after use.
Package:	Verna epoxy bonder TN is available in 3 kg pack
Yield and coverage:	Verna epoxy bonder TN 3 kg pack yield is 2 litter per pack. Its recommended at a spread rate of 2.5 to 3.5 kg m ² /kg.
storage:	Store in dry conditions up to 20C°.
Health and safety:	Verna epoxy bonder TN should not come in contact with skin and eyes or be swallowed. Avoid prolonged inhalation with vapors. some people are sensitive to epoxy resins. therefore, protective goggles and barrier creams should be used. Ensure adequate ventilation and if working in enclosed areas. Suitable breathing apparatus must be used. if this material comes in contacts with skin it must be removed before it gets dried by washing with soap and water. if contamination occurs with the above primer, wash well with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately. Don't induce vomiting.

This Product Data Sheet supersedes those previously issued.

For explanations, definitions and scope, see "Explanatory Notes" available . Data, specifications, directions and recommendations given in this data sheet represent only test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use of the Products herein must be determined exclusively by the Buyer and/or User.

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