



VISTA

VISTA BOND EP

Epoxy resin concrete bonding agent

DESCRIPTION:

Vista bond EP is based on solvent free epoxy resins containing pigments and fine fillers. It is supplied as a two part material in preweighed quantities for ready on site mixing and use coloured components- white base and green hardener provide visual evidence that adequate mixing is achieved

USES:

For bonding new cementitious materials to existing cementitious surfaces. For use on horizontal surfaces and on vertical surfaces where mortar or concrete can be supported by formwork. Ideal for extensions and repairs to structural concrete in buildings, loading, bays, bridges, roads, bonded or granolithic floor toppings etc.

ADVANTAGES:

Vista bond EP can be applied by brush

More overlay time: Enables to place the concrete up to 6 hrs after applying Vista bond EP, without risk of delamination

DESIGN CRITERIA:

Vista Bond EP is designed with an overlay time of 10 hrs at 20°C, 6 hours at 30 °C making it more suitable for use where additional steel reinforcement and formwork has to be fitted or where temperature is high. The minimum application temperature for Vista bond EP is 10 °C.

PROPERTIES:

Specific gravity	1.15 to 1.2 g/cc	
Temperature	20 °C	30 °C
Pot life	5-6 hrs	2-3 hrs
Full cure	7 days	5 days
Overlay time	10 hrs	6 hrs
Compressive strength BS 6319 Pt 2	@ 7 days	50 N/mm ²
Flexural strength BS 6319 Pt 3	@ 7 days	35 N/mm ²
Tensile strength BS 6319 Pt 7	@ 7 days	20 N/mm ²
Shear strength BS 6319 Pt 4	@ 7 days	10 N/mm ²



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Adhesive strength to concrete: In general the bond strength will always exceed the tensile strength of M30 concrete

SPECIFICATION CLAUSES:

The bonding agent shall be Vista bond EP an epoxy based two component resin system preppacked in distinct colours to give visual evidence for proper mixing. The bonding agent should remain in tacky state after application for a minimum period of 6 hours at 30 °C. there shall not be bond failure of the specimen when tested by slant shear method according to BS 6319 pt 4, with M30 concrete.

APPLICATION:

SURFACE PREPARATION:

All surfaces to be treated must be firm, dust free and clean. All laitence should be removed by etching with Reebaklens and wire-brushing. In some cases, the existing concrete must be chipped to a sound substrate. Where surfaces are contaminated with oil or grease, this should be removed by using a strong industrial detergent or organic degreaser. Surfaces should be washed thoroughly with water and dried before the application of Vista Bond EP

MIXING:

The entire contents of the hardener can should be poured into the resin container and the two materials thoroughly mixed until a uniform colour is obtained. To facilitate application at temperature below 10 °C the separate components should be warmed in hot water to a maximum of 20 °C before mixing.

COATING:

Mixed Vista bond EP should be brush applied to the prepared surface. The new concrete should be placed within 6 hours at 30 °C to the Vista Bond EP coated substrate, when it is in a tacky state.

LIMITATIONS:

Vista bond EP should not be applied when the temperature is below 10 °C. if any doubts arise concerning temperature of substrate conditions

PACKING:

Available in 0.6kg, 1.2KG Kits

COVERAGE

Approximately 2.6 m²/kg. Actual coverage will depend upon the texture and porosity of the substrate being covered



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SHELF LIFE:

12 months if stored under normal warehouse conditions below 35 °C, in unopened containers.

PRECAUTIONS HEALTH AND SAFETY:

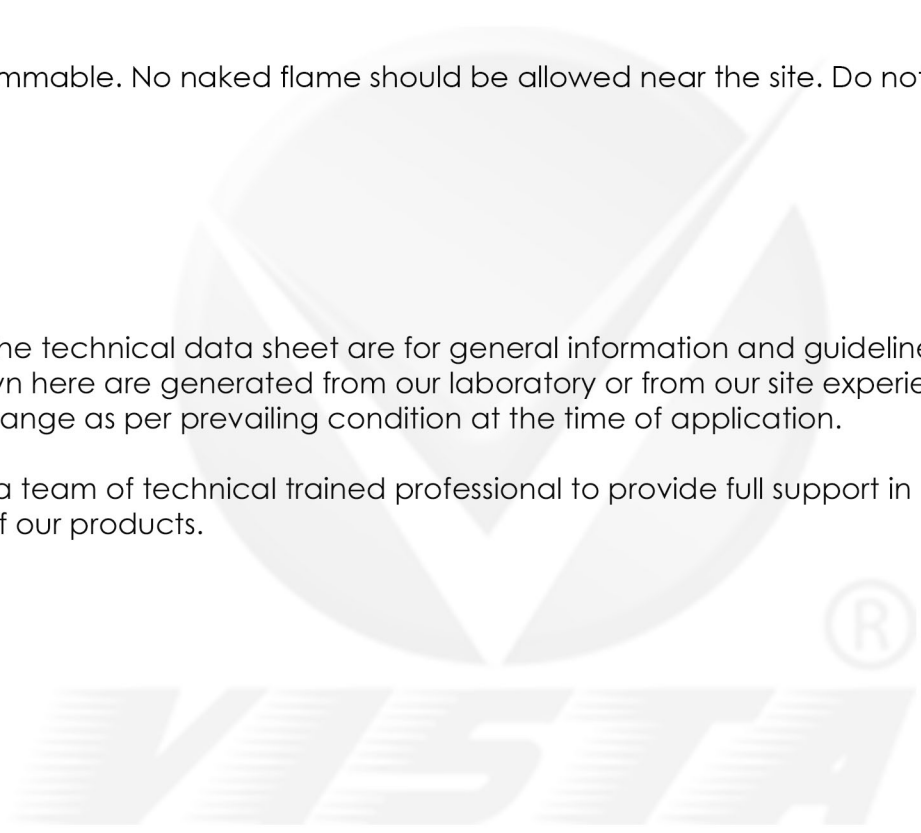
Contact with skin and eyes should be avoided. Gloves should be used when handling these products. If contact with the resin occurs; wash immediately with a strong detergent or a resin removing cream. Eye contamination must be immediately washed with plenty of water and medical treatment sought.

FIRE:

Vista bond EP is inflammable. No naked flame should be allowed near the site. Do not smoke during use.

NOTE :

- The contents of the technical data sheet are for general information and guideline only. Results shown here are generated from our laboratory or from our site experiences. This behavior may change as per prevailing condition at the time of application.
- VISTA maintains a team of technical trained professional to provide full support in regards to any of our products.



Manufactured & marketed by

VISTA CHEMTECH PVT. LTD.

(An ISO 9001 Certified Co.)

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