

ECMABOND 520

Solvent Free Thixotropic Epoxy Adhesive

Description

ECMABOND 520 is a solvent free epoxy adhesive consisting of two components resin and hardener. It has the consistency of a thixotropic paste. It is designed for bonding TPE based expansion joint Tape, metal plate, plywood, asbestos etc to concrete. It is conforming to ASTM C 881.

Areas of Application

Used as an epoxy adhesive for ECMAFLEX joint Tape System.

- A highly effective adhesive for most building material including steel and concrete surface in an aggressive environments.
- Bonding Steel to concrete
- Filling cracks in concrete
- Sealing cracks in cement screeds

Advantages

- Solvent Free
- Thixotropic
- No primer required
- High mechanical characteristics
- Impermeable to water and vapor
- Accommodates high structural movement
- Flexible even at low temperatures
- High pH resistance
- Polymerizes without shrinkage

Technical Specification

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| Appearance | Pack A-Off White & Pack B- Black |
| Physical State | Pack A-Paste & Pack B-Paste |
| Mixing Ratio | Pack A:Pack B – 2:1 |
| Specific Gravity at 27 °C Pack A | 1.70±0.1 |
| Pot Life 27 °C | >20 Minutes |
| Solubility | 0.1% |
| Thixotropy, mm ASTM C 881 | Not more than 30 |
| Shrinkage | <0.4% |
| Compressive Strength, ASTM D 695 N/mm ² | |
| 1 Day | >40 |
| 7 Days | >60 |
| Shear Bond Strength ASTM C 882 | 8 Mpa minimum |
| Coverage Kg/mm/m ² | 1.8 |

Application Instruction

Surface Preparation

All substrates shall be sound dry and free from dust standing water, grease, Oils. Old Surface treatments or coatings and all loose or friable particles must be removed to achieve a contaminant free, open textured surfaces.

Steel

Must be cleaned and prepared thoroughly to an acceptance quantity i.e. by shot blasting and vacuum cleaning. Surface temperature must be above 5 °C and below 35 °C as well as 3 °C above dew point.

MIXING

A suitable power driven mixer /stirrer is recommended for uniform mixing of the ECMABOND 520. Stir the base and hardener separately .Mix hardener gradually into the base under continuous stirring as per the stated mixing ratio. Mix well for 5-6 Minutes till the components become homogeneous color.

Application

The product shall be spread by notched steel trowel or putty knife to the required thickness. Apply the mixed material on both sides of the surfaces to be bonded. The joint should be closed immediately or within the time of the adhesive.

Packaging

Total Kit 3 Kg.

Shelf Life

12 Months in original unopened sealed condition.

Storage & Handling

Material should be stored in Cool and Dry shade. Please avoid number of stacking of corrugated Boxes and handle carefully during transport.

Safety Precautions

Wear all PPE's at the of Application like Safety boot, Safety Goggle, Hand Gloves, Mask and avoided with contact of Skin and Eyes. Any direct skin contamination with the hardeners should be washed off immediately with soap and water.

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