

BOND-EADH-06

EPOXY BONDING ADHESIVE

Super power room temperature curing modified system are a specially developed from Epoxy Resin and selected Hardeners for high build coating, Bonding, adhesive grouting and mortaring application. for different application and required properties and curing time.

A versatile system are success of their following properties:-

- *Excellent adhesion to many materials * Excellent resistance to chemicals, heat and moisture
- * negligible shrinkage * good mechanical and electrical properties. * Moisture insensitive liquid.

SPECIFICATIONS

| No. | Properties | Unit | PART-A | PART-B | Sand |
|-----|---------------------------------|----------------------|------------------------------------|-----------------------------|----------------|
| 1 | Color | | St. yellowish/ Greenish in bulk | Yellow to Brown | |
| 2 | Viscosity at 25oC | Poise | 40-100 | 125-175 | |
| 3 | Density at 25oC | G/cm | 1-1.17 | 0.95-1.0 | |
| 4 | Mixing ratio for | Coating/ Grouting | 100 pbv | 100 pbv & 50 pbv | |
| 5 | Mixing ratio for | Mortar | 100 pbv | 100 pbv &50 pbv | 400-600 pbv |
| 6 | Mixing ratio for screed | Mortar | 100 pbv | 100 pbv & 50 pbv | 700-800 pbv |
| 7 | Pot life after mixing | Minutes | At 25oC 30oC 35oC | 90-120 60-70 45-60 | |
| 8 | Touch dry for coating | Hrs | At R.T. | 4-6 | |
| 9 | Curing | Hrs | At R.T. | 24 | |
| 10 | Hard Curing | Hrs | At R.T. | One week | |
| 11 | Shelf life in sealed packing | Months | 12 | 12 | |
| 12 | Packing | Kg | 5, 30 & 50 Kg. in carboy | 5, 30 & 50 Kg. in carboy | |

Special note:- The curing schedule and properties are completely depends on method of application, quantity of mix, ratio of the systems and temperature of the weather. Apply second coat before cured first coat.

APPLICATIONS:-

1. Protective coatings:- corrosion protection of metal and concrete. **2. Industrial Heavy duty Floorings:-** For requirement of highly impact resistance, chemical resistance and maintenance and dust free properties. **3. Grouting for Machine Foundation, Bridges, Dam:-** For the strengthening and leakage stopping etc. **4. Sealing of cracks and bonding of old and new concrete and for waterproofing:-** Sealing of crack by pressure grouting for waterproofing and improve the strength of structure. Bond for old and new concrete surface, etc. suited to a wide range of building and civil engineering applications. BOND-EADH-06 may be used to bond epoxy mortars, fresh cementitious

concrete or mortar to a wide variety of surfaces including mineral substrates like concrete, brick, stone, mortar, GRC, fibrous cement, wood, iron and steel and cured epoxy mortars

PROPERTIES AFTER 7 DAYS CURING AT 25oC

| No. | TEST | Unit | Self leveling | Screed | Crack Grouting |
|-----|---------------------------------|-----------|---------------|---------|--------------------------------|
| 1 | Compressive strength | Kg/Sq.cm. | 600-900 | 650-900 | 700-1000 |
| 2 | Split tensile strength | Kg/Sq.cm. | 100-130 | 100-130 | 350-400 Tensile Strength |
| 3 | Flexural strength | Kg/Sq.cm. | 450-550 | 300-400 | 500-800 |
| 4 | Impact Strength | Kg/Sq.cm. | | 0.8-1.2 | |
| 5 | Shrinkage | cm | 0.0008 | 0.0008 | |
| 6 | Bond strength | Kg/Sq.cm. | 75-100 | 75-100 | |
| 7 | Shear strength | Kg/Sq.cm. | 75-100 | 75-100 | |
| 8 | Module of elasticity in tension | | | | 2000-2200 |
| 9 | Bond strength (Al-AL) | | | | 500-800 |

The information contained here in is reliable and accurate to the best of our knowledge. However conditions of use and method of applications are beyond our control, no warranty is expressed or implied.

TECHNICAL SERVICES & Technical assistance

Information is available by calling the Mr Bond Technical Service at:

Email:- [Costomercare@mrbond.org](mailto:Costomercare@ mrbond.org)

MR. BOND POLYCHEM

111, Shivam Complex, Science city road, Sola, Ahmedabad-60 (Guj) India
mail: jpbond009@yahoo.co.in / info@mrbond.co.in / contact@mrbond.co.in
web: www.mrbond.co.in / www.mrbond.org
M-0 94094 57994 / 093279 24007 Ph: 079-2777 4269