

## BOND-EADH-07

# 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		Thxotropic Grey /	Beige Liquid	
2	Density of mix at 25oC	G/cm	1.4		
3	Mixing ratio for	Coating/ Grouting	100 pbw	50 & 100 pbw	
4	Mixing ratio for	Mortar	100 pbw	50 & 100 pbw	400-500 pbv
5	Mixing ratio for screed	Mortar	100 pbw	50 & 100 pbw	400-600 pbv
6	Pot life after mixing	Minutes	At 25oC 30oC 35oC	90-120 60-70 45-60	
7	Touch dry for coating	Hrs	At R.T.	4-6	
8	Curing	Hrs	At R.T.	24	
9	Hard Curing	Hrs	At R.T.	One week	
10	Open Time	oC Temp.	40°C 4 hours approx. 30°C 8 hours approx. 20°C 12 hours approx		
11	Coverage of coating (Theoretical)	L / m2	Approx. (0.2-0.6) typically (0.25-0.36)		
12	Coverage of mortar Screed (Theoretical)	For 5mm Thick / m2	Part-A 1.0 Kg + Part-B- 0.5 Kg + Sand 6-8 Kg.		
13	Shelf life in sealed packing	Months	12	12 Months	
14	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-07 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)

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