

**BOND -WP-112****UNDER WATER CURING EPOXY SYSTEMS**

EP-112 is a 100% 2K systems suitable for formulating cold curing for maintenance coatings primarily for application to inorganic substrates such as plaster, concrete, masonry, etc. It is suitable for apply as coating, bonding, rendering, mortaring and for adhesion purpose for wall, floor coat , wood, concrete, cement sheet, stone, china mosaic, on tiles, timber and asphalt floor , It gives high bonding strength, waterproof results. This formulation gives outstanding adhesion even to difficult substrates like tin plates , aluminum or on fully cured epoxy coatings.

SPECIFICATIONS	MIXTURE
Color	Brownish, Off white, Yellow, Green, Blue, Red, Orange, Black
Total solid %	98 +-2%
Density	1.08 Kg/Ltr
Flash Point	20 oC
Freeze Thaw stability	Satisfy
Service Temp.	-20-80oC
Mixing Ration A:B	2:1 by weight
Pot life of mix at R.T.	60-90 minutes
Tack free time at R. T.	2-3 hours
Hard Cured Time	7 days
DFT per coat	90-120 micron
Coverage per coat / Kg for coatings	80-100 Sft. on smooth surface

**Mixing ratio:**

FOR	PART-A	PART-B	Filler Powder	Quartz Sand
			Grey/ White	
Coating	2	1		
Putty / Tile grout	2	1	4	
Plastering bond	2	1	2	
Rendering	2	1	2-4 pbv	2 pbv
Mortar	2	1		6-8 pbv
Laying Tiles	2	1	1-2 pbv	
Note:-In organic / organic color can add with coating, mortar, rendering, tile grout, etc				

**SURFACE PREPARATION:**

Surface must be clean, dry, sound, firm and free from oil, grease and other contaminations which will impair adhesion.

**WHERE TO USE:-**

Use for underwater applications and for in Tank, Swimming pool, Sump, Filter plant, Basement, at Bridge, Buildings, Dam, Canal, Tunnel, Chemical factories, Petrochemical plant, Oil Tank, Power plants, Workshops, Effluent treatment plants, Sewerage plants, bio gas plant , Godowns, Pipe lines, Terraces.

**PROPERTIES AFTER CURED FILM:-**

Color / Appearance	As per supply
Nail hardness	excellent
Flexibility	excellent
Adhesion by cross cut method	excellent
Impact resistance	excellent
Waterproofing Properties after	excellent
24 Hours	excellent

48 Hours	excellent
One week	excellent
Chemical Resistance	
salt water	Good
Soap solutions	Good
Methane Gas	Good
Diluted acids	Good
Diluted alkalis	Good
vegetable oil	Good
Lubricating oil	Good
Aliphatic Hydrocarbons	Good
TENSILE SHEAR STRENGTH , PSI AT 25o c	
Aluminum at 25oC	3290-3560
Aluminum at 65oC	1260-2852
Aluminum at 25oC after 20 days immersion in water	2200-2300

Packing: Liquid: Part-A- 4 & 16 Kg Part-B- 1 & 4 Kg. Carboys/ Tin

The information contain here in is reliable and accurate the best of our knowledge. Technical services will provided for guidance when required. However conditions of uses and methods of application are beyond our control, no warranty is expressed or implied.

ALSO AVAILABLE CONSTRUCTION CHEMICALS LIKE CEMENT ADDITIVES, WATERPROOFING COATINGS, WATER REPPALENTS, CHEMICALS & ABRASION RESISTANCE FLOORINGS MATERIALS, EPOXY-POLYURETHANE RESINS, GOUTING MATERIALS, ANTI CORROSIVE PAINTS, FACADE PAINTS, SEALENTS AND ADHESIVES, RETRO REINFORCING REHABILATION,

### **MR. BOND POLYCHEM**

111, Shivam Complex, Science city road, Sola, Ahmedabad-60 (Guj) India  
 mail: [jbond009@yahoo.co.in](mailto:jbond009@yahoo.co.in) / [info@mrbond.co.in](mailto:info@mrbond.co.in) / [contact@mrbond.co.in](mailto:contact@mrbond.co.in)  
 web: [www.mrbond.co.in](http://www.mrbond.co.in) / [www.mrbond.org](http://www.mrbond.org)  
 M-0 94094 57994 / 093279 24007 Ph: 079-2777 4269

