

# **BONDSEAL - EPS-03**

## **UNDER WATER CURING EPOXY SEALANT**

1) Super Strength, 2) Super leak sealing, 3) Super Gap filling, 4) Good electrical & mechanical properties, 5) Good light & Heat stability, 6) Excellent Water & Chemical Resistance, 7) Easy cure & Repairing.

BONDSEAL Epoxy Resin based sealing compound, which gives superior strength at room temperature and excellent, electrical insulation & mechanical properties,, Vibrations. Excellent heat and light stability, excellent water & Chemicals resistance. Low density and low water absorption.

### **MIXING RATIO AND POT LIFE**

BONDSEAL is supplied in putty consistency. Mix equal parts of base hardener by rolling / kneading until uniform color is obtained and apply on any one surface which to be seal and smoothen the putty still tacky for a glossy finish, press a polyethylene sheet on the tacky surface and peel off after curing.

BONDSEAL pot life is about 30 – 40 minutes at room temperature and multipurpose Complete curing takes place in about 24 hours at R.T. The pot life depends on room temperature, temperature of the mix. The higher the temperature and larger the mix. The shorter will be its pot life good compromise can be arrived at by adjusting the temperature and amounts of the mix. Apply indirect heat to reduces curing time.

### **SURFACE PREPARATION**

The surface on which BONDSEAL is to be applied should be dry and free from dust, dirt, oil, grease, wax, paints loose deposits and damaged particles ect. Roughening surface by sanding, grinding, emerying and digressing will improve adhesion. Use clean cloth socked with suitable solvent for better results.

### **APPLICATIONS**

BONDSEAL is an excellent sealant, suitable for bonding, repairing, sealing, plumbing, insulating, and water proofing a wide variety of materials such as rubber, metal, glass, china clay, wood, porcelain, fibre and most plastics etc. And is most useful for household and industrial applications are outlined here under.

### **HOUSEHOLD USES**

Sealing, leaks, cracks on roofs and loose electrical connections and water tank, preventing wobbling of wooden furniture, sealing of metal buckets, corroded casing of water coolers, air conditioners, refrigerators, ect. It can also be use for molded in to artistic shapes.

### **ENGINEERING UNITS & FOUNDRIES**

BONDSEAL is suitable for sealing and plugging blow holes, cracks and leakages in ferrous and non-ferrous casting before or after machining, repairing of damaged wooden patterns in foundries. It can even be molded into components in an emergency.

## ELECTRICAL

For moisture proofing and insulating of cable joints, terminal and junction boxes and sealing conductors against oxidation. It is also useful for sealing leakage transformers, repairing damaged porcelain insulators, preventing loose terminal connections and emergency installation of PVC cables.

## AUTOMOBILES

Filling up dents, repair of broken silencer pipes and muffler joints. Plumbing leakages in radiator and petrol tanks.

## TELEPHONES

Sealing overhead twist joint between aluminum and C.I. conductor to prevent corrosion or oxide film formation and loosening of joints.

## MARINE

BONDSEAL is suitable for salt water resistance. Sealing leakages and is used for emergency repairs abroad ships.

## CONSTRUCTION AND REPAIRS

For sealing cracks in concrete and masonry structure. Sealing joints, taps and sanitary fittings. Repairing of wash basins.

## PROPERTIES OF CURED COMPOUND

DENSITY	: 2.5 g/cm <sup>3</sup>	WATER RESISTANCE	: EXCELLENT
SHEAR STRENGTH	: 75-85 Kg/cm <sup>2</sup>	ACID & ALKALI RESISTANCE	: EXCELLENT
TENSILE STRENGTH	: 150-200 Kg/cm <sup>2</sup>	COVERING CAPACITY	: 1.5 Kg/m <sup>2</sup> having 0.50 mm thickness approx
IMPACT STRENGTH	: 4-5 Kg/cm <sup>2</sup>	SAFE WORKING TEMPERATURE	: 20°C TO 130°C
COMPRESSIVE STRENGTH	: 550-575 Kg/cm <sup>2</sup>	ADHESIVE STRENGTH MS TO MS:	: 80-95 Kg/CM <sup>2</sup>
FLEXURAL STRENGTH	: 350-400 Kg/cm <sup>2</sup>		

## STANDARD PACKING

BONDSEAL available in 1, 4, 20 Kg. packing.

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 MATERIALS. FOR BUILDING, BRIDGE, DAM, CANAL, TUNNEL AND MARINE STRUCTURES, ETC

### MR. BOND POLYCHEM

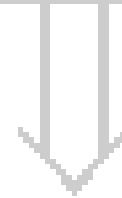
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Propylene  
+  
Chlorine



Epichloro-  
hydrin

Acetone  
+  
Phenol



Bisphenol

+



Epoxy resin