

# **BOND -WP-110 and WP-111**

## **AQUVA REACTIVE EXPANSIVE WATER BARRIER & GROUTING SYSTEM**

WP-110 is formulated for waterproofing as a grouting material it is a low viscosity liquid which react with water in a controlled manner to form a swelling resilient adhesive solid in densities and strength. When impregnated under pressure into leakage structures, terraces, tank, tunnel, dam, canals, etc. After curing it gives permanent flexible polymer barrier is formed.

The liquid retains its initial low viscosity upon contacting water allowing it to flow without dilution. Once the WP-110 water reaction commences, the grout expands penetrating in to its surrounding and quickly cures to a tough, adhesive solid to repel the influence of underground seepage flow and solidity the objectives ground which is unaffected by corrosive environment.

### **ADVANTAGES:-**

**It stops water from Oozing and solidifies the ground with high strength.**

**Solidify properties in all type of water, even containing slight acid and alkalis.**

**It is stable chemically and physically and will not damage by bacterium.**

**Possesses excellent adhesiveness to soil particles and is therefore useful in landslide prevention.**

**Does not wash away or is not diluted by the ground water.**

### **WHERE TO USE:-**

Use for leakage and stopping Oozing from Terrace, wall, under ground structures, pits, in Tank, Swimming pool, Sump, Filter plant, Basement, at Bridge, Buildings, Dam, Canal, Tunnel, Mines, Marine structures, Ware hoses, Chemical factories, Petrochemical plant, Oil Tank, Power plants, Work shops, Effluent treatment plants, Sewerage plants, , Godowns, Pipe lines. And for soil stabilizations, Rock grouting. etc.

As a solidifying agent to atomic, industrial and chemical waste solution or waste water.

**METHOD OF USE:-** (1) SURFACE PREPARATION:- Surface should be Dry, clean, even and free from dust, dirt, paint, rust, Algee, grease, soluble salt, or other contaminations.

It may be used and pump by pressure grouting pump through packers or injection nipple with valve which is sealed against back pressure with quick setting cement. The surface is sealer/ patched properly to prevent from coming out.

WP-110 is react with water and expands to form a fluid wedge & blocks the leakage.

When water is not naturally present in sufficient quantity, to assure the desired reaction, a sufficient quantity of water is also required to be injected.

<b>BOND</b>	<b>WP-110 Singal component</b>	<b>WP-111 Two component</b>
<b>TYPE</b>	<b>Polymer</b>	<b>PU polymer</b>
<b>Color</b>	Light yellow Transparent liquid	Light Yellow Transparent liquid
<b>SOLID % BY VOLUME</b>	48 +-2%	48 +-2%
<b>Non flammability</b>	Non flammable	Flammable
<b>Viscosity at 25 oC Cps</b>	200	250
<b>MIXING Ratio</b>	Single pack	10:1
<b>Pot Life</b>	1-5 minutes	10 -20 minutes
<b>METHOD OF USE</b>	By pressure grouting pump	By pressure grouting pump
<b>FULL CURE TIME</b>	7 days	7 days
<b>STORAGE LIFE Months</b>	12 Months	12 Months
<b>PACKING LITERS</b>	1, 5, 30 & 50	1, 5, 30 & 50

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

### **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

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