

## **Topseal**

### **Cold applied bitumen emulsion for water proofing**

<b>Description</b>	Solvent free, liquid bitumen emulsion consisting of a combination of special water emulsifying agents conforming to international standards.	
<b>Fields of application</b>	<p>For all waterproofing purposes on all types of surfaces exposed to water like concrete, metal, wood , and others. Some typical applications are:-</p> <ul style="list-style-type: none"> <li>-Foundations, retaining walls and basements, giving a protection against water infiltration as well as chemical attack from the soil's detrimental salts.</li> <li>-Roofs and floorings in bathrooms and all areas needing protection from probable infiltration of water.</li> </ul>	
<b>Advantages</b>	<ul style="list-style-type: none"> <li>-Can be used on damp surfaces and not necessarily a dry one.</li> <li>-Easy to apply without any heating thus economical in cost and labor.</li> <li>-Relative short time for the reaching of the final waterproofing properties after application. This is due to the fact that the product does not rely on the evaporation of the emulsion medium for final properties but on the breaking up of the emulsion upon contact with the surface to be water-proofed and after the required time for the penetration of the infinite bitumen particles (1 to 15 microns) into the porous surface such as concrete, bricks or the like has elapsed.</li> <li>-The product can be diluted with water up to 1:10 (Topseal : water) to allow adjustment with the different conditions and to obtain a higher degree of penetration into the surface.</li> <li>-The product is odorless thus allows comfortable working conditions and doesn't need special ventilation.</li> <li>-The final water-proofing layer is highly resistant to chemicals and acids except sulfuric acid and organic solvents.</li> </ul> <p>Complies with DIN 18195 part 2.</p>	
<b>Properties</b>	S.G. at 25o c	1.058 ± 0.07
	PH at 25o c	8.08 ± 0.05
	Solid content	35%-37% ±0.1
	Elasticity	100%
	Min. drying temp.	+2oc to +40oc
	Bone dry	approx. 2H
	Through hardening	approx. 2-3 days
	Storage life at 20oc	12 months

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<b>Method of application</b>	<p>-The surface to be water-proofed is thoroughly cleaned from dirt and other impurities.</p> <p>-A primer coat is applied of Topseal after dilution with water 1:1 using ordinary painting tools that has been wet before use. The dilution is increased in case of highly porous surfaces or when using a spraying equipment.</p> <p>-One or two coats are then applied, without any dilution of the product, on the primer coat after its color has turned from brown to black meaning that the breaking of the emulsion and the coagulation of the particles is complete. This takes approximately from 20 to 30 min. depending on the nature of the treated surface.</p>
<b>Coverage</b>	<p>As a water-proofing coat 750-1000 gm/m<sup>2</sup></p> <p>As a protective coat 250 gm/m<sup>2</sup>.</p>
<b>Packing</b>	<p>Drums of 5kg , 20kg , 200kg .</p>