



**ARCOY INDUSTRIES (INDIA) PVT. LTD.**

Your partners in corrosion prevention

An ISO 9001 : 2000 Company



# AROCOMPOUND

## INTRODUCTION :

**AROCOMPOUND** is a bitumen based mastic compound of acid resisting grade, which is used as an underlay for acid proof bricks/tiles or stones as it acts as an impervious membrane. The membrane is the last line of defense, which protects the sub-floor and its structural supports from corrosive attack. No brick/tile floor, no matter how well constructed or made from whatever material, can withstand forever without experiencing seepage caused due to breakage or cracks. Good construction with good materials will hold this seepage to a minimum, but it is inevitable that some seepage will occur. Hence, it is the job of the mastic membrane to prevent this seepage from reaching the sub-floors. Hence, the membrane must be corrosion resistant, continuous, impervious and elastic enough to absorb shocks and it should be thick enough to prevent acids, alkalies and further penetration.

The membrane also works as a linking layer for ceramic tiles/bricks & mortar while increasing the adhesive property.

**AROCOMPOUND** is available in powder form.

## SURFACE PREPARATION :

In the case of floors, the concrete should be smooth ( a once-over steel trowel finish) and brought to grade, pitched properly to drain and be free of high or low spots. The surface should be carefully brushed to remove all loose dirt & holes and the pits should be filled. The concrete should be dry.

Tanks, walls should be carefully inspected so as to be certain that there are no weal spots, cavities or cracks. Any such weal spots, cavities or cracks should be carefully filled before the lining is done. All loose particles should be removed and surface should be made smooth and dry.

**Priming :** After the concrete surface of the floor/tank has been prepared as described above, it is thoroughly coated with two coats of **AROPRIMER**, which is applied by brush.

**Packing :** 50 Kg.

**Shelf life:** Unlimited, when stored under shed.



*Sturdy, Strong, Reliable,  
Modern...only Arcoy*

**CORROSION  
NO ENTRY**



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## PREPARATION :

**AROCOMPOUND** should be melted in cast iron pots over wood, charcoal, gas or oil burners. In melting the material, care has to be taken to prevent it from catching fire. Break up the blocks of **AROCOMPOUND** with an axe and put the pieces into the heating kettles. Heat until free flowing material is obtained. It is then ready for laying work. In case of floors the molten compound is poured hot on the floor using a squeegee or a straight edged wood float and screeded to an even layer. Apply it at the rate of 10 to 12 Kgs. / meter in order to obtain about 5-6 mm thickness. Care should be taken to make sure that there are no pin holes and all the floors are evenly covered. Holes or low spots may be marked with a chalk and a second application of compound laid over them.

At no stage during the re-melting, and mixing process, shall the temperature exceed 205°C. The surrounding area should not contain other inflammable products. The surface should be smoothen by heating, using a flame of the blow lamp and finished off by squeegee or smoothening masonry tools.

### Triple Layer Membrane

An impervious triple layer membrane has been developed especially for extraordinary protection of concrete tanks against attack of Nitric, Chromic, Sulphuric, Hydrochloric and Phosphoric acids. It is further protected from mechanical damage and excessive temperature by a brick lining joined with acid-proof cement.

Firstly two coats of **AROPRIMER** are applied. Then a layer of 5 mm thick **AROCOMPOUND** is applied as mentioned above. Then a layer of compound impregnated glass cloth is pressed over the compound surface. Lap the sections of glass cloth to obtain 1½" wide lap joints. The glass cloth has a loose weave which allows the hot compound to squeeze through and bond to the previous layer. Now again apply 5mm layer of the **AROCOMPOUND** to have the total thickness of 12mm. The glass cloth reinforces the **AROCOMPOUND** and prevents damage to the membrane from expansion and contraction of either the acid-proof brick lining or the concrete tank.

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