



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

Your partners in corrosion prevention

An ISO 9001 : 2000 Company



# ARCONETE - METALLIC FLOOR HARDNER

**ARCONETE** will solve your many concrete problems. Architects and Contractors for many years will approve the worth of **ARCONETE** as a hardner and water-proofer. Only at the extra cost of few naya paisa per Metre **ARCONETE** will provide you with a complete waterproof surface. **ARCONETE** treated concrete can last-years, though less expensive but it gives complete wear proof, grease-proof, dust-less surface. Where concrete is an absolute necessity, an experienced man will always approve and appreciate the application of **ARCONETE** hardner. Remember, **ARCONETE** is a metallic composition, specially processed to provide extra hard surface.

## INTRODUCTION :

**ARCONETE** is specially manufactured to be mixed with cement and stone chips to provide water-proof, grease-proof, wear-proof and dust-less floors & paves.

**ARCONETE** floors are extra-hard, and are able to withstand wear and tear caused by heavy wheel traffic. **ARCONETE** floors are dust-less and they also protect machines as well as the health of people around.

**ARCONETE** floors are washable and can be cleaned thoroughly without absorption of moisture or dampness as an after effect.

**ARCONETE** floorings are economical and have long life with less maintenance

## PREPARATORY:

**ARCONETE** should be stored in a dry place, away from moisture or dew, till is used.

**CEMENTS** : Ordinary portland cement of standard specifications should be used. Rapid hardening materials are not advisable.

**AGGREGATE** : Should be clean, free from impurities and should be crushed from hard trap, Basalt or Granite stones in size 5 mm. and below ( $\frac{1}{4}$ " and below). Water used should be clean and without organic contents. The mixture of Arconete and Cement, while in dry state, should be perfect to an even colour. **ARCONETE** top coat should always be laid as a separate and final operation.

**CORROSION  
NO ENTRY**



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## SPECIFICATIONS FOR TOPPING:

### HEAVY DUTY FLOOR:

One part of **ARCONETE** and four part of cement by weight , mixed well in dry state, should be added to two parts of aggregate by bulk. ( Coarse and Fine)

Mix thoroughly again and add necessary quantity of water to form good consistency.

For one sq. metre of flooring with thickness of about 1 cm. (1/2") 3 to 4 kgs. of **ARCONETE** is required.

### LIGHT DUTY FLOOR:

For light industrial floors, where dust is a bigger problem than heavy wear and tear, the mixing should be 1 part of **ARCONETE** and 5 parts of cement by weight, in dry state and the mixture added to two parts or Aggregate by bulk. For the above purpose, approximately 2.5 to 3 kgs. of **ARCONETE** is required per sq. metre of Floor for a thickness of about 1 cm. (1/2").

## HOW TO APPLY ARCONETE:

### FOR NEW WORK:

When the layer of cement concrete has been completed up to within 1 to 1.5 cms, (1/2" to 3/4") of the final surface level, the **ARCONETE** top coat should be laid over the surface with a steel trowel.

On the work where the floor can be laid in one operation the stone cement concrete can be omitted by bringing up the floor level to 1 to 1.5 cms. (1 1/2" to 3/4") by of the final finished level by laying **ARCONETE** top coat while the base is still WET.

### FOR OLD WORK:

Old concrete surface should be removed atleast 5 cms. (2") deep, and cleaned with a wire brush. Dust and loose particles should be completely removed. Sprinkle water on the surface so that it is soaked at least for 12 hours to avoid the absorption of water by old concrete from new mixture. Just before laying the top coat, remove all surplus water and spread neat cement grout on the surface. While Cement grout is still fresh, lay ordinary stone cement concrete upto the thickness of 1 to 1.5 cms. (1/2" to 3/4") of the final surface and while this is also still fresh, lay the top coat of Arconete to the thickness of 1 to 1.5 cms. (1/2" to 3/4") and smooth the surface with a Trowel after initial set.

In the alternative, lay **ARCONETE** top coat of 5 cms, (2") thickness in one operation.

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## PRECAUTIONS:

- (1) For preparing old surfaces, proper care is necessary before laying the top coat of **ARCONETE**, otherwise the floor may get cracked or separated.
- (2) Dry cement or the mixture of cement and sand should not be spread directly on the surface to absorb moisture or to stiffen the floor.
- (3) Final Trowelling should not be done till the floor has initially set. To make sure, press a finger to see if an indentation appears or not.

## CURING OF TOP COAT:

Keep the floor treated with **ARCONETE** damp with gunny bags or sand, at least for 5 to 7 days, before it is put into regular use.

**ARCONETE** topping does not require specialist for the job. It can easily be done by a man well experienced in cement concrete finishing job.

**ARCONETE** coating does not effect the setting time of cement.

## TEST RESULTS:

Tests have proved that **ARCONETE** floor toppings suffer one third surface wear as compared to ordinary concrete finished floors.



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## WATER-PROOFING WITH ARCONETE:

### ARCONETE MIXED WITH PORTLAND CEMENT:

For water proofing brick work, concrete, breeze blocks or any similar surface, which can retain slurry, **ARCONETE** and cement slurry is strongly recommended. It is suitable for porous and rough surfaces. The method of application is so easy that it can even be done by an unskilled workman. In many cases, this application saves the cost of plastering.

After application, when it dries, the colour shade will be darker than that of ordinary cement slurry.

To obtain better appearance, decorative-finish can also be applied on the top.

This method is specially recommended for:

- Dams
- Swimming Pools
- Docks
- Sewage Works
- Water Reservoirs
- Cooling Towers
- Industrial Floors etc.

### PREPARATORY:

Remove dirt, scale, lime coating etc. from the surface to be treated and thoroughly clean it by brushing application. In case of old brick work, defective joints should be re-pointed with cement mortar. In dry state, mix one part of **ARCONETE** to three part of Portland cement by weight. The mixture can be prepared in large quantity but it should be kept perfectly dry. Take dry mixture, required for the immediate use, and add water slowly till a thick paste is formed.

### HOW TO APPLY:

Soak dry the surface before application. Thoroughly apply with brush a thick layer of the coat prepared as above. Ascertain all holes are well filled. Keep slurry well stirred.

A single coat may prove to be sufficient for a good surface, where the slurry can be applied. But for jobs of Dams & Swimming Pools, where water pressure is constant, two coats are recommended. **Avoid quick drying of slurry by sprinkling of water. Clean brushes, buckets etc. thoroughly, everyday after use.**

**Approximately one square metre area can be covered in 0.5 kgs. of ARCONETE and 1.5 kgs. of Portland cement (Single coat).**

### PACKING:

**ARCONETE is available in 50 kg. sound packings. Remember, ARCONETE means perfect wear- proof, grease -proof and dust- less floorings.**

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