



## ARZAMITE 1-4

**ARZAMITE** is resistant to both organic & inorganic acids, except certain strongly oxidizing ones. **ARZAMITE** is available in 4 Grades viz. **ARZAMITE-1**, **ARZAMITE-2**, **ARZAMITE-3** and **ARZAMITE -4**. It has got better resistance and inertness to strong oxidizing acids and salts compared to Furane Cements and equals all other Phenolis. In addition to IS4832, the product meets with international standards, especially Russian/Soviet Specifications for chemical protection works of pronounced requirements in Steel Plants, Fertilizers & Chemical Plants.

### **ARZAMITE-1 & 2 :**

Are resistant to most organic solvents,  
Are resistant to mild alkalis but not so much resistant to strong alkalis.  
Can withstand temperature upto 130° C.

### **ARZAMITE-3 :**

Resistant to Phosphoric Acid & Dilute Hydrofluoric Acid.  
Can withstand temperature upto 130° C.

### **ARZAMITE-4 :**

Is resistant to alkalis and acids.  
Can withstand temperature upto 175° C.

**ARZAMITE** causes no delay in construction because it quickly sets due to its chemicals action.

Temperature	20°C	27°C	32 °C
Working Time	1 Hr	.50 Min	.35 Min
Hardening Time	24 Hrs	15Hrs	12Hrs

**ARZAMITE** is extremely dense. Salt cannot penetrate or crystallise within an **ARZAMITE** joint.

### **MIXING:**

**ARZAMITE** is available in two parts- liquid binder and powder to mix at site, forming quick setting **ARZAMITE MORTAR**.

Note : any water formed on the surface of the Binder should be decanted off. NO WATER SHOULD BE ADDED TO COMPONENTS.

### **Uses :**

**ARZAMITE** is usually applied for jointing acid-proof or carbon brick masonry for Chemicals Process Industries, Steel Plants, Tube Manufacturers, Electrolytic Plants, Oil Refineries, Rayon Plants, Pulp & Paper Plants, Dyes & Pigment Plants, Explosive Manufacturers, Smelters, Elector Platers, Glass Manufacturers and many other users.

**ARZAMITE** is generally used for construction of brick/tile flooring work in various food and allied industries.

**ARZAMITE** is used in industries where Chlorine is employed. **ARZAMITE** is used in all Industries where the plant and equipment is subject to chemical attack.

**ARZAMITE** should be used within 3-4 months time since its storage life is not more than this period.





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## CHEMICAL RESISTANCE:

**Acids :** Acetic Acid 10 %, Hydrochloric Acid (Concentrate), Lactic Acid, Sulphuric Acid 70 %, Hydrofluoric Acid.

**Alkalis :** Ammonia, Calcium Hydroxide, Sodium Carbonate \* Sodium Hydroxide.

**Solvents :** Alcohol.

**Miscellaneous :** Mineral oils, Greases and Fats.

\* Recommended with special conditions.

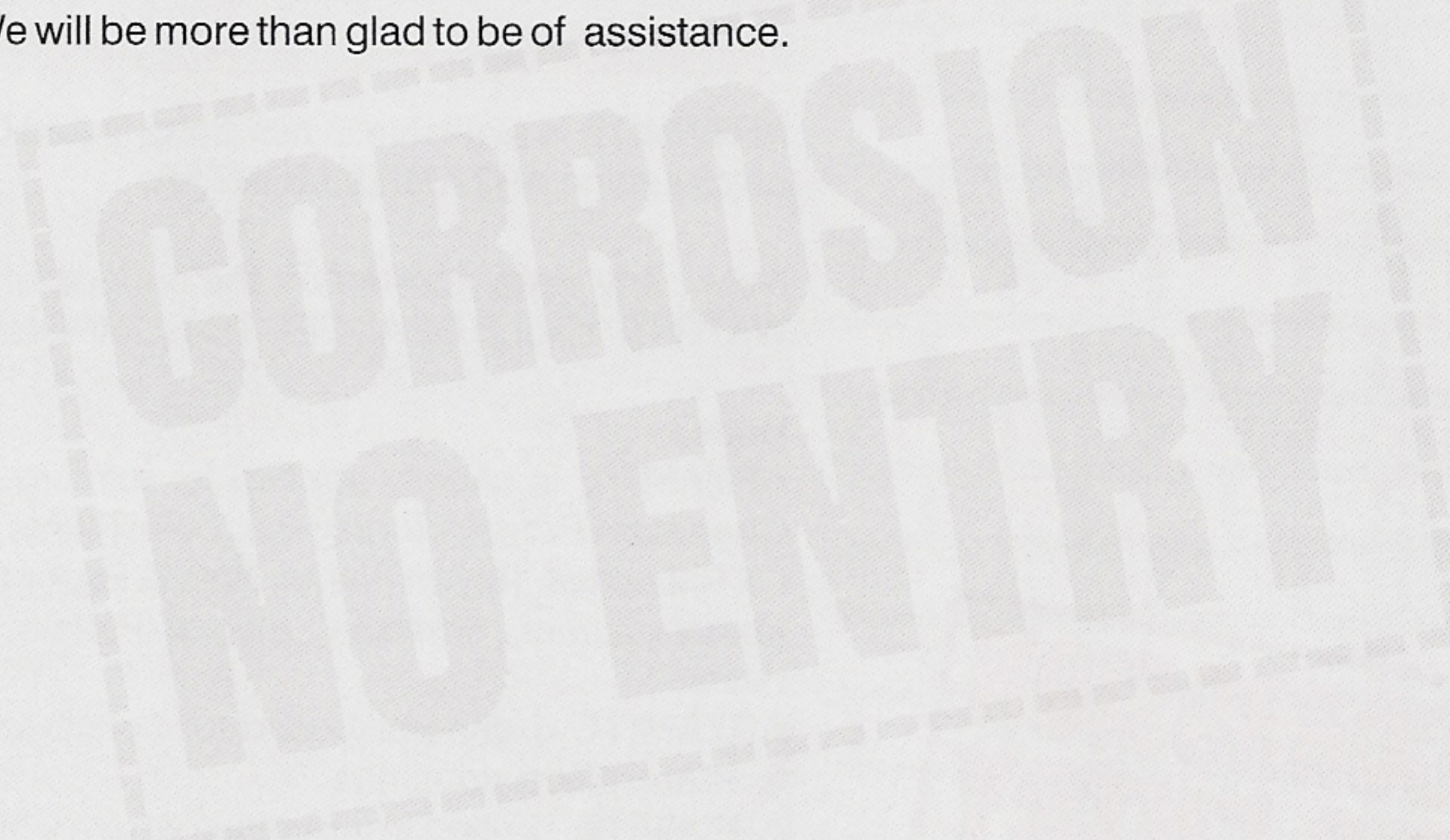
Resistance Chart here above should be used as a guide only. The workability of the material depends on various local conditions.

Weight per Cu. Ft.	<b>ARZAMITE 1 &amp; 2</b>	50 Kgs
Weight per Cu. Ft.	<b>ARZAMITE 3 &amp; 4</b>	40 Kgs

For each 100 sq. ft of floor or walls, use 5 Ltrs of AROPRIMER and 20 Kgs. of AROCOMPOUND.

## SERVICES:

The ARCOY Technical Department is maintained to provide you with assistance and advice on any problem of acid or alkali proof construction. Write to us about your service conditions to obtain prompt recommendation and design suggestions. We will be more than glad to be of assistance.



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