



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

Your partners in corrosion prevention

An ISO 9001 : 2000 Company



# ARFURATHENE™

## INTRODUCTION :



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

The **ARFURATHENE** system has been developed by **Arcoy** after plenty of research and study of corrosion problems prevailing in all major Industries. **Arcoy**, a pioneer in the field of manufacturing corrosion resistant materials, has combined the properties of compatible co-polymers with latest technology to produce a new product that is far superior than all other Anti Corrosive materials and can withstand temp. upto 175° C. **ARFURATHENE** has Compressive Strength of **800-900 Kg/cm<sup>2</sup>**, which is higher than the Compressive Strength of Bricks. **ARFURATHENE** offers excellent abrasive resistance in addition to corrosion resistance to Acid, Alkalies and Solvents. **ARFURATHENE** has water absorption of 0.5% max. and bond strength over 25 kg./cm<sup>2</sup>.

Since **ARFURATHENE** is resistant to most acids/alkalies, oils, greases, salts, solvents etc. It is ideal for use in most of the industries where corrosion prevails. With outstanding corrosion protection, high bond strength- never achieved in a mortar before and a broad range of applications, **ARFURATHENE** is an ideal defence weapon.

**ARFURATHENE's** superior resistance quality to various corrosion chemicals makes it the most ideal choice as compared to all other corrosion resistive cements. Because of its maximum **compressive & flexural strength and negligible absorption property**, **ARFURATHENE** is highly recommended for floors drains and verticals, subject to excessive physical and thermal abuse. It will also help replace the lengthy procedure of conventional Acid-Proof Tile lining

Due to the above mentioned properties, **ARFURATHENE** system provides long term performance thereby saving the time as well as periodical maintenance cost. Hence, production will not be hampered due to plant's shutdown, time and again. **ARFURATHENE** system coupled with good engineering techniques and quality installation methods becomes an attractive option, which sets the standards in plant floors of any industry.

**ARFURATHENE** floors are easy to install with trained technicians. The concrete floors/ foundations / drains etc. where the **ARFURATHENE** floors are to be made, must be absolutely sound. The floors and drains must have minimum 2% slope to avoid stagnation. The surface must be clean and dry.

**CORROSION  
NO ENTRY**



# ARFURATHENE<sup>TM</sup>

## PREPARATION :

The mortar is easily prepared by mixing together **ARFURATHENE** powder and **ARFURATHENE** liquid resin to form a workable mix. The usual mixing ratio is by weight. **Mixing Ratio** : 0.9 parts Resin : 0.1 Part Hardener : 5 parts Powder. But this mixing proportion may vary slightly depending upon the temperature and working conditions.

The application method is very simple. The **ARFURATHENE** mortar is reddish/brown in colour.

## INSTALLATION PROCEDURE :

Over the cleaned dry concrete surface **ARFURATHENE** primer is to be applied by brush application. When the primer is still tacky, **ARFURATHENE** mortar is applied using masons trowel and spread uniformly by masons steel float to the required thickness and finished smoothly. The initial set time will be usually 24 hours and final setting and full strength will be obtained after 7 days. The floor is ready for use from 8th day, onwards. However due to the exceptional properties, lined area can be put into use even after 3 days.

## SHELF LIFE :

The freshly mixed mortar has to be utilized in about 20 to 30 minutes at 27° C.

## STORING :

When stored in its original containers in a cool and dry place at room temperature under shade, **ARFURATHENE** Powder and Resin have shelf life of about one year.

## SERVICE :

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 recommendations and design suggestions. We will be more than glad to be of assistance.

## ARCOY INDUSTRIES (INDIA) PVT. LTD.

606, Abhijeet-I, Mithakali Six Roads, Ellisbridge, Ahmedabad - 380 006. INDIA  
Phone : (91) 79-26401228, 26427762, 26425300 Fax : (91) 79-26561331  
E-mail : contact@arcoy.com • arcoy@icenet.co.in • Visit us at : www.arcoy.com