



**Corrosion
Engineering™**

AN ERGONARMOR COMPANY

TECHNICAL INFORMATION

CES-313

03/00 SUPERSEDES 02/99

CORROSION ENGINEERING SPECIFICATION FOR INSTALLATION

SULFUR MORTAR INSTALLATION SPECIFICATION

1. INSTALLATION

- 1.1 If sulfur mortar is selected (for floors in pickle tank applications), the mortar shall be melted in conformance with the directions of the manufacturer and poured at a temperature between 260°F - 300°F (127°-149°C). It shall not be overheated. Precautions against fire and methods of extinguishing flames if they occur shall be supplied by the manufacturer and shall be carefully and exactly followed by the applicator.
- 1.2 A thin layer, approximately 1/16" (1.5 mm), of the hot sulfur shall be poured over the membrane and spread with the squeegee. It will harden almost at once. The brick shall then be set on this surface using 1/4" (6 mm) spacing chips under the brick and leaving open joints of approximately 1/4" (6 mm) wide between adjacent brick. The open joints shall be poured until approximately half full of sulfur mortar following the brick masons as they set the brick. After the brick have been anchored in this manner, the balance of the joints shall be filled until they overflow. An excess shall be poured in each joint. Pouring shall be done carefully to prevent the trapping of air.
- 1.3 The selection of one of the following three options for finish shall be indicated by the owner:
 - 1.3.1 All joints shall be poured until they overflow and permitted to harden. Not sooner than 24 hours thereafter, the excess material shall be carefully chipped off of the brick surface, using the chisel edge of a brick hammer and working crosswise of all joints. If material is knocked out of any joints, such joints shall be re-poured.
 - 1.3.2 Additional sulfur mortar shall be poured over the floor surface to flood the floor, and such mortar shall be spread as evenly as possible over

SULFUR MORTAR INSTALLATION SPECIFICATION
SPECIFICATION CES-313
03/00 SUPERSEDES 02/99 PAGE 2 OF 2

the floor surface using a squeegee. It is understood that such material will be brittle and will eventually crack up and wear off.

- 1.3.3 All joints shall be left high as over poured and permitted to wear smooth over a period of time.

2. DISCLAIMER

- 2.1 The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Corrosion Engineering expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before installation. Nothing contained herein should be taken as an inducement to infringe any patent and the user is advised to take appropriate steps to be assured that any proposed use of the product will not result in patent infringement.
- 2.2 Please contact Corrosion Engineering for specific recommendations at +1-610-833-4000 or fax +1-610-833-3040.

www.tufchem.com