APPLICATION PROCEDURES

CAUTION: Wear Chemical Splash Goggles and Refer To MSDS Before Using

GENERAL

1. Store MICOROX® Crusher Backing in a warm area for 24 to 48 hours before pouring. MICOROX® Crusher Backing should be at a temperature of 70 degrees F to 80º F (21º C to 26º C).

2. All metallic parts to contact backing must be clean and free of dirt, grease or oil. Normally only wear metal is bonded.

3. All metallic parts that must not adhere should be given a thin film of release agent such as oil, wax or a commercial release agent.

4. Divide the weight of zinc backing required, by 4 to determine the pounds of MICOROX® Crusher Backing required.

CRUSHERS

1. Apply a thin film of release agent to all parts not be boned, e.g., crusher shell, mantel, bolt threads, etc.

2. Assemble mating parts.

3. Seal all opening with clay or putty to prevent leakage. Protect threaded parts by diverting flow with clay or putty dams.

4. Mix and pour MICOROX® Crusher Backing. Pour at several points around cavity for faster distribution.

MILLS

1. Coat mill shell and bolt threads with a film of release agent to prevent bonding and to facilitate removal of worn liners.

2. Have on hand several thickness' of steel flats to use as filler strips in spaces between liner joints. Flats keep exposed epoxy surfaces to a minimum and prevent premature erosion at joint areas. Dimensions of flats are governed by liner dimensions. Depth is approximately same as liner depth.

4. DO NOT MIX HARDENER WITH RESIN UNTIL READY TO POUR.

3. Install liners and position mill with two lengthwise joints at centerline.

4. Pour joints approximately 3/4 full with MICOROX® Crusher Backing. Place one or more flats into all joints being certain to make contact with mill shell. To accelerate cure time of MICOROX® Backing, preheat clean steel flats to 150º F (65º C).

5. After MICOROX® Crusher Backing has gelled, rotate mill and repeat process.

6. MICOROX® Crusher Backing should be poured under bolt heads before tightening bolts. (A V-cut can be made in bolt head to facilitate pour.) MICOROX® Trowelled Backing, a paste form of MICOROX® Liquid Backing, can be used when installing the bolts. This procedure will eliminate bolt loosening during startup and the downtime to retighten bolts. In addition, leakage through bolt holes in wet mills will be eliminated.

NOTE: FOR FILLING AND REPAIRING DENTED OR DISTENDED MILL SHELLS, CONSIDER MICORBRADE 500M OR 600MC TROWELLED WEAR RESISTANT MATERIALS.

MIXING PROCEDURES

1. MICOROX® Crusher Backing should be prewarmed to 70º F to 80º F (21º C to 26 º C) If temperatures are over 90º F (32º C), it may be preferable to cool backing by partially immersing pails in cold water for several hours.

2. Premix resin with power drill and stirrer provided for one minute or less. Scrape bottom and sides while stirring.

3. Add entire contents of hardener can and mix for two to three minutes until no streaking is evident. First hold stirrer at an angle and then upright and move around pail perimeter and oscillate up and down. Repeat procedure.