

#### Placing

In pre-grout applications, pour the grout continuously into the sleeve and rod with a small diameter rod (such as a welding rod) to remove any entrapped air in the sleeve.

In post-grout applications, pump the grout into the inlet tube until it flows freely without air bubbles from the outlet tube. Seal the outlet tube with a rubber stopper of the proper size. Remove the pump nozzle from the inlet tube and immediately seal the inlet tube with a rubber stopper to avoid any loss of grout.

#### Curing

Cure all exposed grout shoulders by wet curing for 24 hours and by applying a recommended curing compound compliant with ASTM C 509.

#### For Best Performance

Store SS MORTAR® in a dry area at a controlled temperature (50° to 90°F (10° to 32°C)), and mix SS MORTAR® to produce the desired mixed grout temperatures under jobsite conditions. Material may be stored warmer for cold weather applications or cooler for hot weather applications.

Ideally, the splice sleeve or substrate should be in the 50°F to 90°F (10°C to 32°C) range. The temperature of the mixed grout should fall between 50°F and 90°F (10° to 32°C). Consider using heated water in cold weather or chilled water in hot weather to help adjust the mixed grout temperature.

When grouting at minimum temperatures, care must be taken to see that the splice sleeve and grout temperatures do not fall below 40°F (4°C) and that the grout is protected from freezing (32°F/0°C). Heat should be maintained until the grout. In the sleeves has reached a minimum of 1,500 psi (10.3 MPa) compressive strength as determined by 2 x 2 x 2 in. (51 mm) restrained cubes (ASTM C 942). Difficulty in pumping and premature stiffening may result from grout temperatures outside the recommended range.

Sampling and Testing. Testing of SS MORTAR® should be performed by an authorized laboratory, and sampling should be done at the jobsite. Follow ASTM C 942 for sampling, fabrication, storage and curing of specimens. Samples must be cured under water at the jobsite for 24 hours before transfer to the laboratory for wet or moist room curing. Samples may be tested to determine early strength gain in order to determine when the sleeves have developed sufficient strength to remove temporary supports or to determine 28-day strength. Consult your local ChemiReX® representative for additional information.

Do not add cement, sand, aggregate, or admixtures.

Do not use if bag is damaged.

Make certain the most current version of this data guide is being used; call Customer Service (1-800-433-9517) to verify the most current version.

Proper application is the responsibility of the user. Field visits by ChemiReX® personnel are for the purpose of making technical recommendations only and are not for supervising or providing quality control on the jobsite.

#### Technical Data

Typical Compressive Strengths @ 70°F (21°C) (ASTM C 942)		
	psi	MPa
1 day	4,000	28
5 days	5,400	38
7 days	7,000	49
28 days	11,000	76

  

Typical Flexural Strengths (ASTM C 348)		
	psi	MPa
7 days	1,000	6.9
28 days	1,100	7.6

The data shown are based on controlled laboratory tests. Reasonable variations from the results shown may be experienced as a result of temperatures, and atmospheric and jobsite conditions. Field and laboratory tests should be controlled on the basis of the desired placing consistency rather than strictly on the water content.

#### Consistency

Flow tests were run using the ChemiReX® Flow Guide at a spread of 5 to 6 in. (127 to 152 mm).

#### Description of Flow Test

Use the ChemiReX® Flow Guide that consists of a 2 in. (51 mm) diameter x 4 in. (102 mm) cylinder placed in the center of a level, smooth, nonabsorbent surface.

The cylinder is filled with SS MORTAR® level with the surface and is immediately lifted slowly until the SS MORTAR® is discharged. Measure the diameter of the spread in two locations perpendicular with one another and take the average of the two readings.

The ChemiReX® Flow Guide is available from ChemiReX® but may also be assembled on the jobsite using rigid, non-absorbent materials.

#### Order Information

##### Packaging

SS MORTAR®  
 55 lb. (25 kg) moisture-resistant bags

##### Shelf Life

SS MORTAR® has a shelf life of approximately 12 months when stored in a cool, dry environment. The expiration date is printed on each bag. Grout which has been stored beyond the expiration date should be discarded.

##### Coverage

One 55 lb. (25 kg) bag of SS MORTAR® mixed with 8.25 lb. (3.75 kg) of water produces approximately 0.42 ft<sup>3</sup> (0.012 m<sup>3</sup>) of material.

#### Caution

##### SS MORTAR®

##### Risks

Eye irritant. Skin irritant. Causes burns. Lung irritant. May cause delayed lung injury.

##### Precautions

KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with eyes. Wear suitable protective eyewear. Avoid prolonged or repeated contact with skin. Wear suitable gloves. Wear suitable protective clothing. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wash soiled clothing before reuse.

##### First Aid

Wash exposed skin with soap and water. Flush eyes with large quantities of water. If breathing is difficult, move person to fresh air.

##### Waste Disposal Method

This product when discarded or disposed of is not listed as a hazardous waste in Federal regulations. Dispose of in a landfill in accordance with local regulations.

For additional information on personal protective equipment, first aid, and emergency procedures, refer to the product Material Safety Data Sheet (MSDS) on the job site or contact the company at the address or phone numbers given below.

##### Proportion 65

This product contains materials listed by the state of California as known to cause cancer, birth defects, or reproductive harm.

##### VOC Content

This product contains 0 g/L or 0 lbs./gallon.

For medical emergencies only, call ChemTrec  
1/800/424-9300.