

CS 2725 Epoxy Bonding Compound

Chem Seal

Technical Bulletin
January, 2002

PRODUCT DESCRIPTION meets DOD-C-24176 Type I and II
Approved by the American Bureau of Shipping

CS 2725 is designed for high adhesion to most construction materials. The product is easily mixed and applied, non-shrinking and ideally suited for repairing spalled and cracked areas in concrete, plaster, stucco, stone, slate, wood, and tile. Also as a mortar for ceramic tile, stone work, block, and brick; as an adhesive in fastening decorative masonry, metal clips, wall hangers, identification numbers or letters.

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| Color | |
| Part A | White |
| Part B | Gray |
| Consistency | Non-Flow Mastic |
| Mix Ratio | Equal parts by volume |
| Application | 1 hour @ 75 deg. F |
| Cure to Solid | 6 hours @ 75 Deg. F |
| Full Cure | 24 hours @ 75 Deg. F |

CS 2725 is a non-flow, modified epoxy compound formulated for easy application as an adhesive and bonding material. After cure, the product is hard and tough and exhibits abrasion and shock resistant qualities. CS 2725 is resistant to water, acids, alkali, and hydrocarbons. The tensile and other physical qualities are such that destruction of the bonded material will usually result prior to failure of the CS 2725.

SURFACE PREPARATION

Modified epoxy compounds have excellent adhesion to clean wood, concrete, steel, aluminum, and a variety of other materials. The areas to be adhered to must be clean and free of surface contamination such as cement dust, dirt, grease, wax, bond-breakers, rust, mill scale, and paint. Cement dust, alkali's, efflorescence, dirt and some paints may be removed by washing with a mixture of one part muriatic acid and eight parts water. Acid cleaned surfaces should be neutralized by a basic wash such as household ammonia, then rinsed with fresh water and allowed to dry prior to application of CS 2725. Steel surfaces should be prepared according to Steel Structures Painting Council SP10.

Removal of paint, bond-breakers, wax silicone sealers, curing agents, rust, and mill scale sandblasting or grinding is best. For removal of waxes, use an industrial wax remover that should be followed by a tri-sodium phosphate wash.

MIXING INSTRUCTIONS

CS 2725 is packaged in kit form with pre-measured quantities of Part A and Part B. Equal volumes of Parts A and B are thoroughly mixed. A mechanical mixer may be used with speed below 180 rpm. Assure mixing uniformity by frequently scraping container sides and bottom.

Surface wetting and mixing, with or without aggregate, may be facilitated by warming the components to a maximum of 140 deg. F. This substantially reduces the viscosity, work life, and tack free time and will speed up application, if desired.

It is recommended that no solvent be used with CS 2725. If used maintain amount below 5%. Never use thinner except where application permits complete exposure to air of one surface of the applied epoxy.

APPLICATION

CS 2725 may be easily applied to surface areas with trowel, spatula, or putty blade. Smoothing may be readily accomplished with the application of small amounts of water to the surface of the epoxy to remove the tack.

CS 2725 may be applied to small enclosures such as cracks or cavities by means of a caulking gun, then smooth with Chem Seal Products

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a blade, if required. Warming the compound is preferred, instead of thinning, if lower viscosity is required.

If CS 2725 should be mixed with aggregate, the above statements will still apply. When aggregate additives are made to increase the non-slip texture of CS 2725, mesh sizes 40-80 are recommended. If aggregate additives are only to increase viscosity and add body, mesh sizes finer than 100 are recommended.

Work life will be extended if the material is removed from the container after mixing and spread in a thin film on the surface to which it is to be applied.

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| Theoretical Coverage | 1604 sq. ft. at 1 mil 39.3 S. m/l at 25 microns |
| Shelf Life | 1 year |
| Adhesive Strength | 900 PSI Minimum |
| Chemical Resistance | Excellent |
| Salt Water Resistance | Excellent |
| Cured Finish | Smooth, but non-slip |

CLEANING OF EQUIPMENT

CS 9900 is recommended for cleaning tools and equipment. Removal of CS 2725 should be prior to cure.

TOXICITY

Chem Seal CS 2725 contains epoxy resin that may produce allergic reactions in some persons. Persons who frequently handle this material should avoid skin contact if possible. Use of gloves or protective creams is recommended. If the material is being used in an enclosed atmosphere, good ventilation should be supplied. If allergic symptoms develop, a physician should be consulted.

PACKAGING

CS 2725 is packaged in the following kit sizes:

16 ea. per case Pint Kits

16 ea. per case Quart Kits

4 ea. per case Gallon Kits

16 ea. per case 3 lb Kits

Also packaged in a 2 gallon kits and 10 Gallon Drum Kit

Refer to the applicable Material Safety Data Sheet prior to using this product.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warrant, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer that proves to be defective. Neither seller nor manufacturer shall be liable to buyer or third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.

Chem Seal Products

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