



CHEM-WET 2

Moisture cured, Non-Toxic High Build Solvent-Free Epoxy Coating

PRODUCT DESCRIPTION

CHEM-WET 2 is a two component, 100% solids, high modulus, medium viscosity, moisture insensitive epoxy system. This product meets ASTM C-881.

FIELDS OF APPLICATION

For the internal protection of concrete or metal tanks in the following fields:

- Food and beverage processing plants
- Potable water storage tanks and reservoir, etc.
- Canning and bottling factories
- Chemical factories, tanning and paper plants
- Water and sewage treatment and desalination plants.
- Oil refineries, power stations, etc.
- Protective coatings for storage silos, equipment, machinery and livestock housing, etc.
- Hospitals, laboratories, abattoirs, etc.

PRODUCT FEATURES

- 100% solids
- Moisture cure
- Easy 1: 1 mix ratio
- Vertical & horizontal application
- No shrinkage
- Fast Curing

PACKAGING

Product	Packaging
CHEM-WET 2	2 Gallon (7.57 Liters) Unit Part A: 1 Gal Can, Part B: 1 Gal Can
	10 Gallon (37.85 Liters) Unit Part A: One 5 Gal Pail, Part B: One 5 Gal Pail

TECHNICAL DATA

Technical Data for Unmixed Parts

Property @ 25°C (77°F)	Resin - Part A	Hardener - Part B	Test Method
Solids	100%	100%	-
Color	White	Black	-
Density, Lb/Gal (Kg/L)	9.34 (1.12)	13 (1.56)	ASTM D-1475
Shelf Life	2 years	2 years	-
Mixing Ratio	1: 1 By volume		-

Technical Data for Mixed Parts

Property (Mixed A & B)	Value @ 25°C (77°C)	Test Method
Mixed Density, Lb/Gal (Kg/L)	11.2 (1.34)	ASTM D-1475
Gel Time (60 gm), minute	30	ASTM D- 2471
Hardness Shore, D	84	D-2240
Tensile Strength @ 7 days, Psi (MPa)	8000 (54.4)	ASTM D-638
Flexural Strength @ 7 days, Psi (MPa)	9000 (61)	ASTM D-790
Compressive Strength @ 7 days, Psi (MPa)	10000 (68)	ASTM D-695
Bond Strength to concrete @ 7 days, Psi (MPa)	>1500 (10.2)	ASTM C-882
Elongation, %	8-10	ASTM D-638
Water Absorption @ 24 hours	<0.2	ASTM D-570

APPLICATION DATA

Surface Preparation: surface of application should be clean and sound. The surface must be free of any dust, oil, grease, laitance, curing compounds, or any other contaminants. It may be dry, damp or wet, but must be free of standing water. The very best results are obtained on dry concrete. Do NOT apply on surfaces which have been sealed with a permanent type of form oil, curing compound or release agent. Remove these substances before application. The surface temperature must be 40°F. and rising. Hairline cracks or other defects should be opened by the use of a masonry saw to provide a 1/ 4"x 4" groove. Clean the crack and adjacent area of any loose adhering material. All steel surfaces need to be wire brushed or sandblasted to remove any previous coatings, rust or mill scale. The surface preparation should be limited to those areas that can be coated promptly, before rust can re-form.

APPLICATION

Mixing:

As an adhesive: CHEM-WET 2 may be applied by spray, short-nap roller or brush. Fresh concrete should be placed within one hour after coating. As a grout: fill the cavity with mortar, tamp and strike off level with the surrounding surface. For bolt grouting, contact International Chem-Crete or your local Chem-Crete representative for specific recommendations.

As a mortar: place on the prepared surface, spread and rough level to the desired thickness. Next, trowel in one direction to a uniform surface and appearance. Do NOT overwork the material. Keep the trowel well-lubricated with mineral spirits.

Stir each component separately. Mix 1 part A and 1 part B by volume into a clean mixing container. Mix the epoxy with a slow

speed drill with a mixing paddle attachment Carefully scrape the sides and bottom of the pail during mixing. Blend for 3 minutes. Mix only the amount of material that can be used within the pot life. Please note: large batches of epoxy will cure much faster than small batches. Mixed epoxy will cure much faster in hot weather than in cold weather.

CLEANING

All tools and equipment after use must be cleaned immediately with mineral spirit.

STORAGE

The product can be stored for minimum of twelve months at temperature from +10 °C to +35 °C in the unopened original packaging. Protect from direct sunlight.

SAFETY PRECAUTIONS

After hardening thoroughly, CHEM-WET 2 is physiologically harmless.

Keep the resin and hardener away from the eyes mouth and skin. Do not breathe in the vapors. The uncured mixture can cause irritation of the skin. For best protection, wear rubber or plastic gloves. In case of contamination, wipe away resin or hardener immediately from the skin using paper towels and then wash with soap and water or hand cleaning detergent. Empty resin and hardener cans must be destroyed. Under no circumstances use them to store food or drink even if they have been thoroughly cleaned.

TECHNICAL ASSISTANCE

Please contact International Chem-Crete Corporation for Technical Personnel.

WARRANTY

LIMITED WARRANTY: International Chem-Crete Inc. warrants that, at the time and place we make shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

DISCLAIMER: The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. International Chem-Crete Inc. is not under any circumstances liable to connection with the use of information. As International Chem-Crete Inc. has no control over the use to which others may put its products, it is recommended that the products be tested to determine the suitability for specific applications and/or our information is valid in particular circumstances. Responsibility remains with the architect or engineer, contractor and owner of the design, application and proper installation of each product. Specifier and user shall determine the suitability of the product for specific application and assume all responsibility in connection therewith. AM22319.

Manufactured By:



International Chem-Crete Inc., 800 Security Row, Richardson, TX 75081, U.S.A

Tel: (972) 671-6477, Fax: (972) 238-0307

contactus@chem-crete.com www.chem-crete.com