DUROMAR®

PRODUCT DATA SHEET

Chemcrete Super

Floor Resurfacer

GENERAL DESCRIPTION

CHEMCRETE SUPER is a specially formulated, 100% solids, epoxy novolac flooring material, used for thick-film floors where additional chemical resistance is required. **CHEMCRETE SUPER** can be topcoated with **DF-4301** to provide additional chemical resistance to a wide range of chemical environments.

FEATURES

- Outstanding chemical resistance
- Excellent resistance to abrasion
- Economical
- Easy to apply

PACKAGING

100 ft^2 Kit (does not include sand)

Requires 2 x 100 lbs. bags of Wedron 480 sand

MIXING RATIO

4 parts base (B) to 1 part (A) hardener by weight

3 parts base (B) to 1 part (A) hardener by volume

POT LIFE

Pot life for a unit mixed with sand is about 25 minutes at 70º F. Higher temperatures or larger volumes will shorten this time. Lower temperatures or spreading out the mix will extend the pot life.

COLORS

CHEMCRETE SUPER is grey in color.

TECHNICAL DATA AND INFORMATION

Basic Chemical Resistance at Room Temperature:

Inorganic Acids	Very Good
Organic Acids	Good
Solvents	Fair
Alkalis	Excellent
Salts	Excellent
Alcohols	Excellent
Hydrocarbons	Good

Typical Physical Properties of Cured System:

Density	1.24
% Solids	100
Flexural Strength @ 70ºF	9,500 psi
Tensile Strength @ 70ºF	8,000 psi
Max. Dry Operating Temp	350ºF
Compressive strength	12,500 psi
Operating pH Range	0.5-14.0

SURFACE PREPARATION

- For maximum adhesion, material should be applied to a firm, clean, dry and abraded surface.
- Clean greasy, oily or waxed surfaces with suitable solvent before applying material.
- Best results will be obtained by abrasive blasting or chemical etching the surface to remove all laitance and give a surface profile.

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MIXING & APPLICATION

Before mixing make sure all surfaces are clean and dry. For porous, damaged, or surfaces subjected to hydrostatic pressure, it is recommended that all surfaces to be coated are first sealed with a thin film (5mils) of **DUROFLOR SEALER**. This will prevent outgassing and provide for better adhesion. **CHEMCRETE SUPER** can be applied to the **DUROFLOR SEALER** about 6-12 hours after application of the sealer, as soon as the Sealer will not be disturbed by the overcoating process.

Use complete units to insure correct mix ratio. Place the Base (B) portion of the Kit into a suitably sized and clean mixing container. Add the Hardener (A) to the Base (B) and mix for about 30 seconds. Once mixed, add sand to obtain the desired consistence, about ½ to ¾ to the total amount of sand recommended for the kit size. Blend until thoroughly wetted, about 1 to 2 minutes. For a dryer mix use more sand, for a more fluid mix use less sand. Material temperature should be between 70º and 95ºF and surface temperature at least 65ºF.

Use a trowel or screed rake to spread the mixture over the desired area. Within 5-10 minutes, broadcast the remaining sand onto the wet surface. The sand is added until rejection and no wet spots are visible. Some additional sand may be required. Clean Sandblast sand maybe used.

OVERCOATING

Vacuum, sweep, or otherwise remove all loose sand from the above surface. The resulting rough sand textured surface may be coated with a variety of topcoats, depending on the application and additional desired features.

CLEANUP

All mixing and applications tools may be cleaned with **MEK** or other suitable solvent immediately after use.

STORAGE

Store in dry area in closed containers between 50ºF and 110ºF. Shelf life at these conditions is greater than one year.

HEALTH AND SAFETY

READ AND UNDERSTAND ALL MATERIAL GIVEN IN THE MSDS SHEETS BEFORE USING THE PRODUCT.

CHEMCRETE SUPER DOES NOT CONTAIN ANY FLAMMABLE MATERIAL OF ANY KIND. HOWEVER, THE MATERIAL IS COMBUSTIBLE. IN THE EVENT OF A FIRE, DRY POWDER, FOAM, OR CARBON DIOXIDE FIRE EXTINGUISHERS SHOULD BE USED. FIRE FIGHTERS SHOULD WEAR RESPIRATORS.

USE PROTECTIVE GLOVES AND EYEGLASSES WHEN USING.

USE IN AREAS OF GOOD VENTILATION.

LIMITED WARRANTY

All recommendations covering the use of this product are based on past experience and laboratory findings. Methods or conditions of application and use of the product are beyond our control. We assume responsibility only for the uniformity of our product within normal manufacturing balances.

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