

SIPSEAL 220

100 % Solid Epoxy Outstanding Sealer

Product No. 6220

Features

- Reinforces Rusty Steel Substrate & Concrete Surfaces.
- Penetrates Through Rusty Surfaces.
- Cures to a tough, water resistant coating.
- Low viscosity
- Low film thickness and no shrinkage.

Recommended Use

- Recommended in areas where, due to restrictions or economics, blast cleaning or abrasive blasting is not feasible.
- Very effective sealer and/or reinforcement for masonry surfaces.
- Excellent sealer for aged "white rusted" zinc surfaces.
- For upgrading aged alkyls.

Physical Data

Finish : Medium Sheen

Colour : Clear

Volume Solids : 100%

Recommended Film Thickness :
30 - 40 microns wet/dry

Theoretical Coverage :
33 m²/ltr. at 30 microns

Density (Mixed) : 1.02 kg/ltr.

Drying Times :
At 25°C/ 60 % RH

Dry to recoat : 20 Hours

Maximum Recoatability : 07 Days

Heat Resistant : 121°C dry

Flash Point : > 100°C

Specification Data

Preparation

Steel Surfaces

SIPSEAL 220 Sealer is designed for less than ideal surface preparation. However, performance will be improved as surface preparation improves. All oil/grease contaminants, loose rust, loose scale and unsecured old paint must be removed.

Concrete Surfaces

Make sure the surface is free from oil, dust, loose material and any other contaminant. Repair all spalled concrete with SIPOXY MORTAR or Epoxy Putty.

Best performance will be obtained by treating all surfaces with SIPCLEAN 615 Cleaner, followed by a high pressure water wash before applying SIPSEAL 220.

Ventilation

Provide good, thorough ventilation.

Application Data

Mixing Ratio by Volume Base : 3 parts
 Hardener : 1 part

Mixing Advice SIPSEAL 220 is a two component product supplied in 5 and 20 ltr. kits which contain the proper ratio of ingredients. The entire contents of each container must be mixed together.

Add the hardener portion to the base portion slowly with continued agitation. After the hardener add is complete, continue to mix slowly until homogeneous.

Thinning Do not thin this material.

Induction time 15 minutes at 25°C.

Pot Life 4 hours at 25°C.

Application Details Apply SIPSEAL 220 by conventional air spray, brush or roller. Airless spray is not recommended. To minimize overspray, use low air pressure and pot pressure, 5 to 10 PSI (0.3 - 0.7 bars).

SIPSEAL 220 is low in viscosity. It should be applied in one thin, wet coat sufficient to completely cover and penetrate to the steel or concrete surface. Do not apply heavy coats. Clean up application equipment with Thinner 730.

Apply one coat of SIPSEAL 220 at 1.5 mils (38 microns), allow overnight cure. An additional coat of SIPSEAL 220 may be required for very porous surfaces. After overnight cure, SIPSEAL 220 may be overcoated if still tacky.

SIPSEAL 220 is normally topcoated with SIPOXY-SHIELD 275 or SIPOXY-SHIELD 285 Coating. Consult SIPCO Technical Services Department for alternatives.

Cleaning of Equipment Use Thinner 740.

Storage Information

Pack Size 5 and 20 ltr. two component kits

Storage Store generally in original sealed container, indoors, at a temperature between 5 and 40°C and relative humidity below 70%.

Shelf Life 2 Years

Safety Information

See the material safety data sheet and product label for complete safety and precaution requirements.

Disclaimer

The information in this data sheet represent test results or experience under well defined conditions. Its accuracy or suitability under the actual conditions of any intended use is not guaranteed and must be determined by the user. All advice given about this product is given in good faith. Since as we have no control over conditions of substrate and application, manufacturer and seller can not accept any liability in connection with the use of the product relative to coverage, performance, injury or damage, unless we specifically agree in writing to do so. The information in this data sheet is subject to change without notice and it is the user's responsibility to ensure it is current. For further information and advice contact SIPCO Technical Services Department on Tel. (03) 847 2299, Fax (03) 847 3780.