

LOCTITE® SF 6275 CL

Known as LOCTITE® Fixmaster® High Solids Epoxy Primer/Sealer
April 2015

PRODUCT DESCRIPTION

LOCTITE® SF 6275 CL provides the following product characteristics:

Technology	Epoxy
Appearance (Comp. A)	Pale yellow liquid
Appearance (Comp. B)	Amber liquid
Cure	Room temperature cure after mixing
Components	Two components - requires mixing
Mix Ratio, by volume - Part A: Part B	3.3 : 1
Mix Ratio, by weight - Part A: Part B	4.1 : 1
Application	Priming or Sealing
Specific Benefit	<ul style="list-style-type: none"> Low viscosity for maximum porous surface penetration Provides excellent mechanical bond to porous surfaces Easy to use: brush, squeegee or roll application Convenient recoat properties Excellent for use over acid-etched concrete Adheres well to concrete, masonry surfaces, wood and gyp board

LOCTITE® SF 6275 CL is a low viscosity, two-component solvent free, 100% solids epoxy primer designed for use with Fixmaster® High Performance floor coatings. It has excellent damp as well as dry adhesion to concrete, masonry surfaces, wood and gyp board. Typical applications areas include warehouses, production facilities, utility rooms and shipping and receiving areas.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Part A:

Density	kg/L (lbs/gal)	1.13 to 1.17 (9.4 to 9.7 ^{LMS})
Viscosity, Brookfield - RV, 21 °C, mPa·s (cP): Spindle 3, speed 50 rpm,		450 to 700 ^{LMS}

Part B:

Density	kg/L (lbs/gal)	0.94 to 0.98 (7.85 to 8.15 ^{LMS})
Viscosity, Brookfield - RV, 21 °C, mPa·s (cP): Spindle 1, speed 50 rpm		20 to 35 ^{LMS}

Mixed:

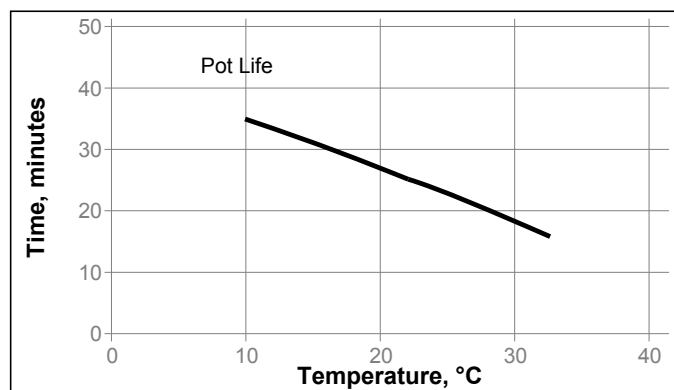
Density	kg/L (lbs/gal)	1.1 (9.2)
Viscosity, Brookfield - RV, 21 °C, mPa·s (cP): Spindle 3, speed 50 rpm,		250 to 450 ^{LMS}
Solids Content, %		100
Flash Point - See SDS		

TYPICAL CURING PERFORMANCE

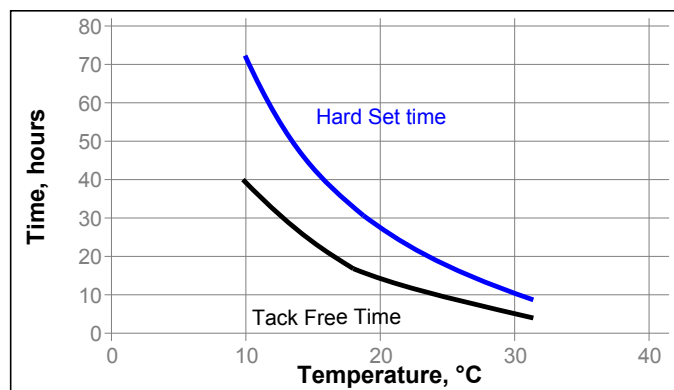
Curing Properties

Gel Time @ 21 °C, minutes	32 to 45 ^{LMS}
Cure Time @ 21 °C, hours	18 to 28 ^{LMS}
Recoat Time @ 21 °C, hours	18

Cure Speed vs. Time, Temperature



Cure Speed vs. Time, Temperature



GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Safety Data Sheet (SDS).

Directions for use:**Surface Preparation:**

- New concrete must be firm, clean, and free of any adverse moisture conditions. The surface must have an appropriate surface profile and be well-cured (30 days at temperatures over 21°C). Shot blasting, mechanical scarification, chemical means or sandblasting should be used to prepare the substrate. The substrate should have a pH of about 7.
- Older, uncoated concrete is prepared in the same manner as new concrete. Before preparation, the concrete must be thoroughly cleaned with a strong detergent cleaner to remove all grease and oils. All loose concrete must be removed. Holes and cracks should be filled with LOCTITE® Fixmaster® Crack Filler. Surface deterioration and rough surfaces should be treated with LOCTITE® Fixmaster® Epoxy Resurfacer.
- Previously painted surfaces should be completely stripped of peeling or degraded paint.
- Wood surface must be clean and sound. Remove any oils and dirt from the surface using a degreasing solvent or strong detergent.

Mixing:

- Thoroughly mix contents of entire kit (parts A and B, a 3.3:1 mix ratio by volume) at slow speed (less than 750 rpm) with a low speed Jiffy® style blade mixer until a uniform color is achieved.
- High speed spiral paint mixers are not recommended as they introduce air bubbles into the product, which can cause pinholes in material when applied.

Application:

- Apply material using a high quality 3/8"-1/2" bristle/nap roller cover, squeegee or brush, being careful to work into the surface.
- The primer should be allowed to tack up prior to application of the top coat.
- If pinholes or porosities are evident after initial cure of the primer, repriming may be necessary; especially on very porous concrete..
- Never apply more than 250-380 micron (10-15 mil) per pass as the product will not cure properly.
- Apply when ambient temperatures are above 10°C (50F).

Coverage rate

To achieve a 250 to 380 micron (10 to 15 mil) thickness, the coverage rate will be 2.5 m² / l (100 ft² /gal), excluding overthicknesses, etc

Loctite Material Specification^{LMS}

LMS dated August 31, 2011 (Resin) and LMS dated August 31, 2011 (Activator). Test reports for each batch are available for the indicated properties. LMS test reports include selected QC test parameters considered appropriate to specifications for customer use. Additionally, comprehensive controls are in

place to assure product quality and consistency. Special customer specification requirements may be coordinated through Henkel Loctite Quality.

Storage

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: 8 °C to 21 °C. Storage below 8 °C or greater than 28 °C can adversely affect product properties.

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

Conversions

(°C x 1.8) + 32 = °F
 kV/mm x 25.4 = V/mil
 mm / 25.4 = inches
 µm / 25.4 = mil
 N x 0.225 = lb
 N/mm x 5.71 = lb/in
 N/mm² x 145 = psi
 MPa x 145 = psi
 N·m x 8.851 = lb·in
 N·m x 0.738 = lb·ft
 N·mm x 0.142 = oz·in
 mPa·s = cP

Note:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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Reference 0.1