

PRODUCT DESCRIPTION

GLOO S1125 high viscosity is a two-component epoxy-based Self-leveling system. Room temperature curing 1:1 mixing ratio system performing long pot life with high peel and lap strength.

TYPICAL APPLICATIONS

Ideal for bonding metal but also for plastics (under heat curing conditions). The system has a wide pot life and achieve it's full mechanical properties after 7 days.

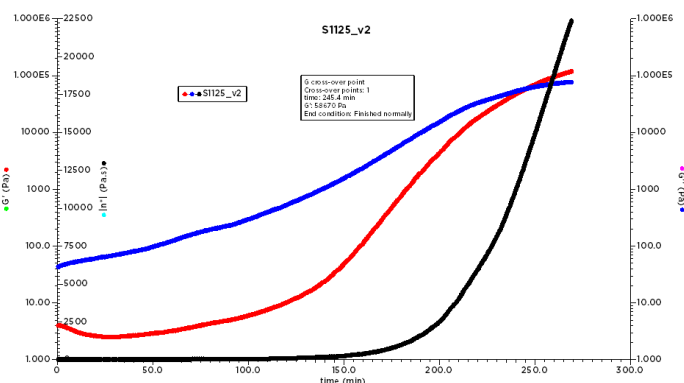
PROPERTIES OF UNCURED MATERIAL

Resin	Typical	
	Value	Range
Chemical Type	Bisphenol-A epoxy	
Appearance	Off-white non sagging	
Odor	Light	
Density (g/ml) @ 25°C	1,1	
Viscosity (cP) @ 25°C	45.000-60.000	
Flash Point (TCC) (°C)	>200	
Hardener	Typical	
	Value	Range
Chemical Type	Mixture liquid	
Appearance	light brown non sagging	
Odor	Mixture	
Density (g/ml) @ 25°C	0,98	
Viscosity (cP) @ 25°C	35.000-45.000	
Flash Point (TCC) (°C)	>93	
Mixture	Typical	
	Value	Range
Appearance	Clear	Light brown
Viscosity (CP)@25°C	50.000 - 60.000	
Density (g/ml) @ 25°C	1.1	
Mix Ratio (R:H) by Vol.	1:1	
by Weight	1:1	

TYPICAL CURING PERFORMANCE

Curing Properties

(Air/water @ 25°C unless noted)	Typical Value
Pot life , minutes	>60
Gel time , minutes	254
Tack Free Time, horas	12
Full Cured Time, hours	24 (7d)



TYPICAL PROPERTIES OF CURED MATERIAL

(Air/water @ 25°C unless noted)	Typical Value
Tensile Strength, MPa (psi) @ 20min	>25
Tensile Elongation, (%)	3
Hardness Shore D (ASTM 2240)	68
Glass Transition Temperature (Tg) ,°C	53-61

PERFORMANCE OF CURED MATERIAL

Shear Strength vs Substrate

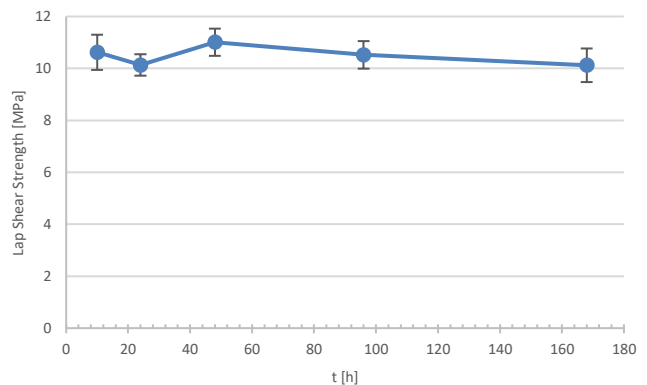
(Substrates cured for 7 days @ 23±2°C)

Substrate Typical Value

Single Overlap ISO 11003-2:2001	N/mm ²	psi
Stainless Steel AISI-304	11.0	

* Values with ">" sign determines substrate failure

time (h)	AVG [MPa]	DESVEST [MPa]	COV [%]
10.0	10.6	1.4	8%
24.0	10.1	0.8	12%
48.0	11.0	1.0	11%
96.0	10.5	1.1	10%
168.0	10.1	1.3	8%



GENERAL INFORMATION

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

Information given in the Material Safety Data Sheet is drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015. See the Material Safety Data Sheet for details.

Directions for use

1. For high strength structural bonds, removal of surface contaminants such as paint, oxide films, oils, dust, mold release agents and all other surface contaminants.
2. If need, the surface can be sanded with a sandpaper of P40-P280 granulation. Remove dust and degrease again. Wash off salts and any other contaminations with fresh water.
3. Use gloves to minimize skin contact. DO NOT use solvents for cleaning hands.
4. **Cartridge container:** Cartridge ensures correct mixed ratio of the two components. Remove the cartridge cap and expel a small amount of adhesive to be sure both sides are flowing evenly and freely. If automatic mixing of resin and hardener is desired, attach the mixing nozzle to the end of the cartridge and begin dispensing the adhesive. Apply the mixture using a putty knife.
5. Once finished, to prevent contamination of unused product, assure to close the cap properly.
6. The cured product can be sanded, painted, etc. in less than 12 horas.

Storage

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° C to 28° C (46° F to 82° F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. Shelf life was guaranteed for 36 months in described conditions.

Data Ranges

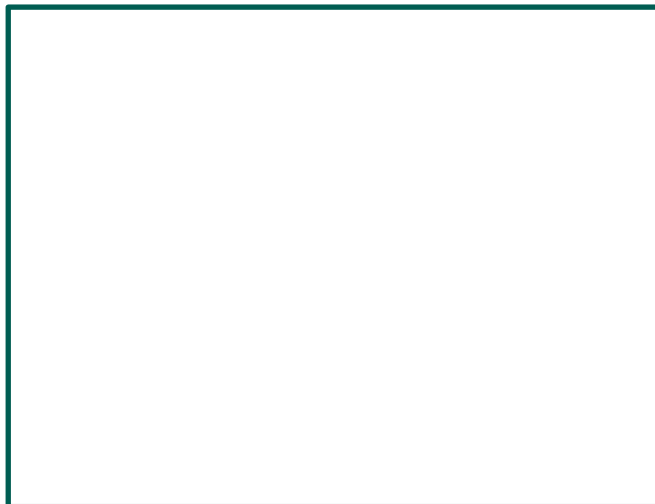
The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

The data contained herein are furnished for information only and are believed to be reliable.

We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing,

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