LOCTITE®

Developmental Sample Laboratory Data Sheet

Loctite® 3310

Confidential

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PRODUCT DESCRIPTION

Loctite® 3310 provides the following product characteristics:

Technology	**Polyurethane**
Appearance (uncured)	White paste
Components	One part- requires no mixing
Viscosity	Paste
Cure	Atmospheric moisture
Application	Sealing

LOCTITE® 3310 White is a multipurpose, one component, moisture cure polyurethane sealant. Loctite® 3310 White is a sag resistant sealant with fast tack free performance. Upon curing, it maintains permanent flexibility and high bond strength. Loctite® 3310 White provides a flexible, durable and resistant elastomeric seam with good adhesion to most industry materials. The skin formation and curing time depend on humidity, temperature, and joint depth. Loctite® 3310 White, has high initial tack and excellent tear, vibration and weathering resistance. Easy to apply, it adheres without primer to most common substrates such as glass, aluminum, metal, wood and concrete.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Density, ISO 2811-1@ 22°C, g/ml	1.19 to 1.22
Flash Point- See MSDS	

TYPICAL CURING PERFORMANCE

Under normal conditions, the atmospheric moisture initiates the curing process. The product develops functional strength in 24 hours and fully cures in 7 days.

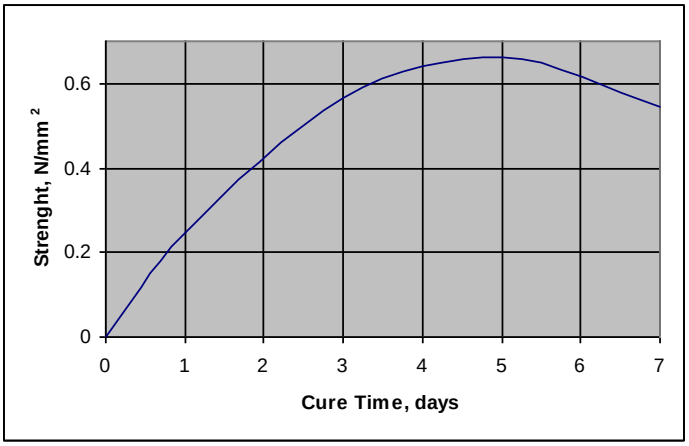
Skin Over Time

Skin over time is the time the surface of the adhesive forms a skin upon exposure to atmospheric moisture at 25 ± 2 °C, 50°± 5% RH.

Skin Over Time, minutes	70

Cure Speed vs. Time

The following graph shows the shear strength developed over time at 22°C/50% /RH on mild steel and tested according to ISO 4587.



TYPICAL PROPERTIES OF CURED MATERIAL

Cured for 7 days @ 22 °C / 50±5% RH

Physical Properties:

Elongation, at break, ISO 527-3, %	666	
Tensile Strength, ISO 527-3	N/mm²	0.9
	(psi)	(135)
Shore Hardness, ISO 868, Durometer A	32	

TYPICAL PERFORMANCE OF CURED MATERIAL

Adhesive Properties

Cured for 7 days @ 22°C

Lap Shear Strength, ISO 4587:

Stainless Steel	N/mm²	0.55
	(psi)	(79)
Aluminum	N/mm²	0.80
	(psi)	(116)
Wood (Pine)	N/mm²	1.72
	(psi)	(249)
Glass	N/mm²	0.60
	(psi)	(87)

USE AND APPLICATION

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 Material Safety Data Sheet (MSDS).

Directions for Use

1. For best performance bond surfaces should be clean and free from grease
2. Moisture curing begins immediately after the product is exposed to the atmosphere, therefore parts to be

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assembled should be mated within a few minutes after the product is dispensed.
3. The bond should be allowed to cure (e.g. seven days), before subjecting to heavy service loads.
4. Excess material can be easily wiped away with non-polar solvents.

Storage

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

Optimal Storage: 4°C to 24°C. **Storage below 4C or greater than 24C 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. unless otherwise labeled. To prevent contamination of unused product, do not return any material to its original container. If additional information is required, please contact your Application Engineer at (860) 571-5100.

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

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