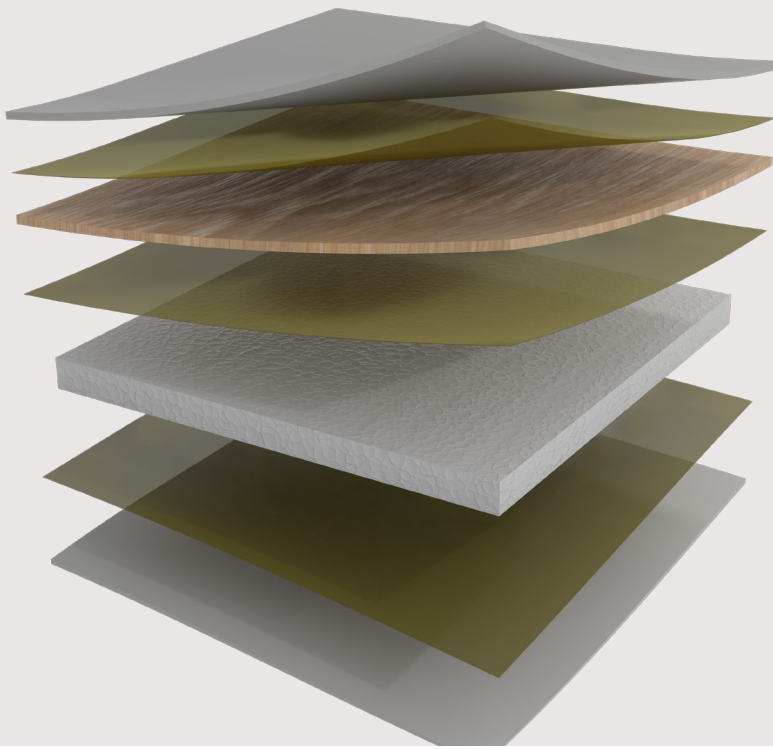


LOCTITE®



DO SOMETHING NEW **LOCTITE® NEO ISOCYANATE-FREE ADHESIVE**

Introducing new to the market technology, LOCTITE® NEO is a two-component advanced adhesive formulated without isocyanates for an improved health and safety profile.

Key Benefits

- › Fast curing and low exotherm enabling increased throughput and production cost savings
- › Cures at room temperature; allowing for reduction in process step such as oven cure and CO₂ emission savings
- › Free of isocyanates, BPA, sensitizers for improved health & safety
- › No sensitivity with water or foaming issues, simplifying production
- › High storage stability for easy storage and no heated storage needed
- › Primer-less adhesion to various materials enabling freedom of design
- › Three product formulations to suit your application requirements
- › LCA (Life Cycle Assessment) compliant with ISO 14040/44 available upon request

Well suited for

- › Bonding plastic, foam, wood and other substrates
- › Manufacturing environments where Health & Safety are prioritized



Experience LOCTITE® NEO. Contact us for a sample.

Henkel

Henkel Adhesive Technologies



LOCTITE® NEO - MARKET INNOVATION

FILLING THE GAPS

See how LOCTITE® NEO compares in performance characteristics to epoxy and polyurethane.

Product Characteristics	Epoxy	Polyurethane	LOCTITE® NEO
Chemical Resistance	High	Medium	Medium
Maximum Operation Temperature	High	Lower	Medium
Storage Stability	High	Lower	High
Moisture Sensitivity	None	High	None
Hardness	High	Low	Medium
Cure Speed	Slow	Fast	Fast
Exotherm	High	Low	Low
Noxious Chemicals	High	High	Low

INITIAL TEST RESULTS: LOCTITE® NEO 1300/2800

Henkel is actively working on solutions with superior performance on metals and PES.

Substrates	Strength	Mode of Failure
ABS	6.0 MPa	Substrate
Polycarbonate	2.9 MPa	Adhesive
Polyester SMC	0.8 MPa	Cohesive/Adhesive
PVC	7.9 MPa	Substrate
Primered Aluminum	5.5 MPa	Cohesive
Unprimered Aluminum	2.7 MPa	Adhesive
Steel	2.2 MPa	Adhesive
Plywood	2 Mpa	Substrate
Poplar Plywood	2 MPa	Substrate
Styrofoam	0.2 MPa	Substrate

Data above taken from initial batch and only for use as an indicator of strength. Henkel recommends testing on production representative parts before going into production.

TECHNICAL DATA FOR LOCTITE® NEO TWO-COMPONENT FORMULA COMBINATIONS

Unit	A: LOCTITE® NEO 1300 B: LOCTITE® NEO 2300	A: LOCTITE® NEO 1300 B: LOCTITE® NEO 2700	A: LOCTITE® NEO 1300 B: LOCTITE® NEO 2800
Technology	LOCTITE® NEO polycondensation, free of epoxy and isocyanate		
Components	Two component – light yellow to brown liquids		
Viscosity A	mPa	180	180
Viscosity B		20	20
Mixing Ratio	A : B (w/w)	100:85	100:90
	A : B (v/v)	100:106	100:113
Mix Open Time	Min.	10.5	12.0
Gel Time	Min.	20.0	21.5
Recommended Curing Conditions	°C	1 week at 23°C	1 week at 23°C
Shelf Life	Month	24	24
Final Hardness	Shore D	56	68
T _g /DMA	°C	43	47
Certifications	All components comply with KTW-BWGL, successful NSF61 prescreening		
Performance	Level	Standard	Medium high



Global Headquarters

Henkel AG & Co. KGaA
Henkelstraße 67
40589 Düsseldorf
Phone: +49-211-797-0

Asia-Pacific & Greater China Headquarters

Henkel (China) Investment Co., Ltd.
Building 7, The Springs Center
99 Jiangwancheng Road
Yangpu District, Shanghai 200438
P.R. China
Phone: +86-21-2891-8000

North America

Henkel Corporation
14000 Jamboree Rd
Irvine, CA 92606
United States
Phone: +1-855-243-6535

North America

Henkel Corporation
1 Henkel Way
Rocky Hill, CT 06067
United States
Phone: +1-860-571-5100

Scan the QR code above to access the technical product information.

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