



CNSL-BASED ADHESIVES GUIDE FORMULATIONS

2K POLYURETHANE ADHESIVE WITH NX-9005 AND NX-9008

- Excellent water resistance
- Excellent chemical resistance
- Outstanding bonding on various substrates

BIO-BASED POLYOLS

POLYURETHANE
REACTIVE ADHESIVES

ASSEMBLY, TRANSPORTATION,
INDUSTRIAL APPLICATIONS

Guide Formulation

Ingredients	Formulation 1 Parts by weight
NX-9005 ¹ (polyol)	20
NX-9008 ¹ (polyol)	75
Epoxy functional coupling agent	5
Polymeric MDI	80
NCO Index	117

¹ Cardolite

Typical Properties

Properties	Formulation 1
Cure condition Substrate	40°C/5 days Sand blasted steel
Lap shear strength, MPa	15
Set time for >0.5 MPa lap shear, hr	3
Set time for >2.0 MPa lap shear, hr	5
Glass transition temperature, °C	60

PROCESSING

All liquid components are blended together with manual hand mixing for small batch sizes. For bigger batch sizes a high shear mixer is recommended. The product is generally degassed after mixing and before packaging. **Please refer to each supplier's material safety data sheet (MSDS) for the most current safety and handling information.**

DISCLAIMER

All statements, technical information and recommendations contained herein are based on tests Cardolite believes to be reliable, but the accuracy or completeness thereof is not guaranteed or warranted either express or implied including but not limited as to merchantability or fitness for a particular purpose. The formulations contained herein are not optimized for any particular use and are therefore, only to be considered as references. It is the responsibility of the user to fully test their formulations for the intended use. Use of the product is at the user's risk.



Cardolite Corporation
140 Wharton Rd
Bristol, PA 19007
United States of America
T: +1-800-322-7365
www.cardolite.com