

CNSL-BASED ADHESIVES GUIDE FORMULATIONS



HIGH BIO-CONTENT 2K EPOXY ADHESIVE WITH LITE 3025 PHENALKAMIDE

- High strength adhesives
- High bio-content
- Durability due to outstanding water resistance
- CNSL-based epoxy diluent reduces viscosity while increasing flexibility, water resistance and bond strength

BIO-BASED EPOXY CURING AGENTS

AMBIENT-CURE REACTIVE ADHESIVES

ASSEMBLY, TRANSPORTATION,
BUILDING AND CONSTRUCTION,
ELECTRONICS

Guide Formulation

Ingredients	Formulation 1 Parts by weight
Part A	
Epoxy resin (EEW=190)	80
NX-2026 ¹ (Specialty grade cardanol)	20
Part B	
LITE 3025 ¹ (Phenalkamide)	43

¹ Cardolite

Typical Properties

Properties	Formulation 1
Cure condition Substrate	40°C/24hr Sand blasted steel
Lap shear strength, MPa	18
Glass transition temperature (T _g), °C	55
Calculated bio-content, %	36.8

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.



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