



CNSL-BASED ADHESIVES GUIDE FORMULATIONS

FLEXIBLE 2K STRUCTURAL EPOXY ADHESIVE WITH NX-5607 PHENALKAMINE

- Fast cure and high strength adhesives
- Surface tolerance and forgiving mix ratios
- 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

Guide Formulation

Ingredients	Formulation 1 Parts by weight
Part A	
Epoxy resin (EEW=190)	70
Ultra LITE 513 ¹ (CNSL- based monofunctional epoxy diluent)	30
Part B	
NX-5607 ¹ (Phenalkamine)	50
Coupling agent-amine functional silane	3

¹ Cardolite

Typical Properties

Properties	Formulation 1
Cure condition Substrate	40°C/16hr Sand blasted steel
Lap shear strength, MPa	17.3
Elongation at break, %	41
Failure mode	Cohesive failure

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

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