

# CNSL-BASED ADHESIVES GUIDE FORMULATIONS



## FLEXIBLE 2K STRUCTURAL EPOXY ADHESIVE WITH LITE 3040 PHENALKAMIDE

- High flexibility and high strength adhesives
- Long working time
- 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 <sup>1</sup> (CNSL- based monofunctional epoxy diluent)	30
Part B	
LITE 3040 <sup>1</sup> (Phenalkamine)	50
Coupling agent-amine functional silane	3

<sup>1</sup> Cardolite

### Typical Properties

Properties	Formulation 1
Cure condition Substrate	40°C/16hr Sand blasted steel
Lap shear strength, MPa	15
Elongation at break, %	60
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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