

CNSL-BASED ADHESIVES GUIDE FORMULATIONS



FAST SET 2K EPOXY ANCHORING ADHESIVE WITH NX-5608 PHENALKAMINE

- Fast strength development at low and room temperatures
- Fast high strength development (compression and flexural)
- Excellent glass transition temperature
- Durability through outstanding water resistance and mechanical performances

BIO-BASED EPOXY CURING AGENTS

AMBIENT-CURE
REACTIVE ADHESIVES

BUILDING AND CONSTRUCTION
APPLICATIONS

Guide Formulation

Ingredients	Formulation 1 Parts by weight
Part A	
Epoxy resin (EEW=190)	58
CaCO ₃ powder 1250 mesh	40
Fumed silica (Aerosil 380) ²	2
Part B	
NX-5608 (Phenalkamine) ¹	58
CaCO ₃ powder-1250mesh	38
Fumed silica (Aerosil 380) ²	4

¹Cardolite ²Evonik

Typical Properties

Properties	Formulation 1
Cure condition Substrate	40°C/16hr Sand blasted steel
Mixing ratio A/B by weight	2:1
Gel time at room temperature, min	14
Lap shear strength, MPa	20
Compressive strength, MPa	79
Flexural strength, MPa	56
Glass transition temperature, °C	96

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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