

CNSL-BASED ADHESIVES GUIDE FORMULATIONS



WATERBORNE TILE GROUT WITH NX-8101 PHENALKAMINE

- Fast hardness and compression strength development
- High compression strength
- Longer working hour (good washability)
- Good handling properties (ease of mixing)

BIO-BASED EPOXY CURING AGENTS

AMBIENT-CURE, WATERBORNE
REACTIVE ADHESIVES

BUILDING AND CONSTRUCTION,
TILE, CONCRETE ADHESIVES

Guide Formulation

Ingredients/Parts by weight	Part A	Ingredients/ Parts by weight	Part B
NPEL128 ² (LER)	7.3	NX-8101 ¹	10.93
Ultra LITE 513 ¹ (CNSL Epoxy Diluent)	1.3	A501 ³	0.17
NX-2026 ¹ (Specialty Cardanol)	1.7	DI water	7.3
A501 ³ (Air release agent)	0.03	Silverbond602 ⁵	36.8
Betone 27 ⁴	0.17	100# sand	13.2
Portland Cement (PO 42.5R)	23.2		
Total Part A wt	33.7	Total Part B wt	68.4

Typical Properties

Properties	Results
Cure condition	7 days at RT
Compression strength, MPa	48.5
Shore D	
Day 1	75
Day 2	80
Day 7	80
Working Time, min	> 40
Viscosity	Paste

¹ Cardolite ² Nan Ya ³ BYK ⁴ Elementis ⁵ Sibelco

PROCESSING

All liquid components are blended together with a high shear mixer. Then any solid components are added separately and blended into the liquid after each addition. 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