

Zealcrete LV™

Epoxy Elastomeric Concrete



Zealcrete LV™ is a fast setting, moisture insensitive, 100% solid, low viscosity two-component epoxy elastomeric concrete. Zealcrete LV™ is designed as an expansion joint header and high impact nosing for Bridge, Roads and Carpark applications. Zealcrete LV™ is designed to preserve and protect concrete decks and substructures by absorbing impact, preventing water absorption, ingress of chemicals and eliminating spalled edges on joint lines.

Key Features

- Low viscosity for ease of mixing
- Moisture insensitive
- Fast setting, Gel time 15-20 minutes
- Excellent load bearing characteristics
- Excellent thermal shock resistance
- Waterproof and Chemical Resistant
- High abrasion resistance
- Excellent adhesion to various substrates
- Resistant to UV and ozone exposure
- Resistant to freeze-thaw changes

Application

New concrete should be a Minimum of 80% cured prior to The application of Zealcrete LV (7-10 days for 28 day concrete)

Shelf Life:

2 Years in unopened containers.

Mixed Yield:

1 x 26 Kg unit yields 13.5 Litres

Storage:

Store between 16 – 38° C



Zealcrete LV™
26 Kg Unit Part (A,B and C)



Physical Data			
Appearance @ 25° C			
	Part "A"	Part "B"	Mixed
Packaging	1 can	1 can	w/1 bag agg
Color	Straw	Black	Black
Viscosity, cps	700 ± 200	1200 ± 300	-
Properties with Aggregate (aggregate type affects results)			
Compressive, psi	5000 ± 500	ASTM D695	
Brittleness ± 1 ft-lb	10 ft-lb min.	Ball Drop	
Bond Strength (to concrete)	500 psi	ASTM D624	
Shore D Hardness	65 ± 5	ASTM D-2240	
Properties with Binder Only			
Percent Elongation	50 ± 15	ASTM D638	
Tensile Strength, psi	2000 ± 200	ASTM D638	
Tear Strength, pli	300 ± 20	ASTM D624	
Ratio & Cure: Mix A & B well then add C supplied aggregate.			
Mix Ratio	1 Part "A"	1 Part "B"	By Volume
	100 "A"	100 "B"	By Weight
Cure	Gel time @ 25° C		15 - 25 min
Initial Cure	2 hr @ 25° C	With Supplied Aggregate	

Disclaimer: The information contained in this publication is intended to give a fair description of the products and their capabilities. No responsibility or liability by the manufacturers will be accepted for misuse, misreading or deviation from the recommended guidelines of these products. As new technology is introduced, or industry standards are altered, Miska reserves the right to alter the information without notice.

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