

# DAMPPROOFING

## LL10 and LL20 Water Repellents



**\*Read Safety Data Sheet before using this product.\***

**DESCRIPTION:** Environmentally friendly colorless silane modified siloxane emulsions manufactured for use as masonry water repellents. They are formulated for deep penetration which enables surfaces to shed water effectively.

- LL10 – 10% active matter
- LL20 – 20% active matter

The active material penetrates into the substrate and condenses to give hydrophobic characteristics to the substrate. The reaction does not substantially affect the water vapor permeability of the treated surfaces.

**USES:** LL10 & LL20 are water repellents designed specifically for use on fresh concrete and similar alkaline substrates. Neutral substrates will require longer curing times to develop similar water repellent characteristics.

**SURFACE PREPARATIONS:** Application of LL10 or LL20 solution should be made onto a clean, dry surface free of oil, grease, dirt, laitance and adhesion-inhibiting materials. Recommended application temperature is 40°F to 120°F

**APPLICATION:** Stir before using. Apply by brushing or spraying until the surface is saturated. Full curing requires 7 - 10 days. Apply the solution by starting at the top of the structure and working downward. Avoid rundown or drips.

Examples of applicable substrates include:

- Facades
- Pre-cast concrete
- Roadway supports
- Bridges
- Clay tile
- Field Stone
- Unpainted stucco, brick, terra-cotta

**COVERAGE RATE:** Apply at a rate of 125-175 sq. ft. per gallon.

### TEST RESULTS:

Absorption testing of two waterproofing products in accordance with:

Federal Specification SS-W-110C *Water Repellent, Colorless, Silicone Resin Based*

Product	Uncoated 24 hrs. Absorption %	Coated 72 hrs. Absorption %	Absorption Reduction %
LL10	8.4	0.97	88.0
LL20	8.3	0.63	92.0

*NCHRP 244 Series II Results*

Product	Chloride Ion (Salt) Intrusion
LL10	84%
LL20	90%

**CAUTION:** Do not apply when rain is imminent. Protect from freezing. Coating must be dried before exposure to water. Store in a heated room and keep container covered when not in use. Do not thin. Avoid prolonged contact with skin. Dispose of in an environmentally safe manner. Keep out of reach of children. For exterior use only.

**PACKAGING:** Available in 5-gallon pails and 55-gallon drums.

If further information is needed, contact KARNAK Technical services at 800-526-4236.

### PHYSICAL PROPERTIES & SPECIFICATIONS

	LL10	LL20
Active Matter:	10%	20%
Density (lbs./gal.):	8.3	8.3
VOC Content:	0 g/L MAX	

SS-W-110C

NCHRP 244 Series II