



GENERAL SPECIFICATION

Ultra Level™ UL-221

Self-leveling Modified Mortar Underlayment

Description	Application & Coverage	Technical Data
<p>LANCO® Ultra Level™ is a polymer modified cement mortar base underlayment requiring only water to form a free flowing liquid mortar that seeks its' own level, thus producing a smooth, hard, flat surface free of cracks and imperfections. It is designed to eliminate areas that accumulate water and will correct imperfections, seal cracks, smooth rough surfaces and cause rain water to flow in a desired direction. Ultra Level™ does not require trowelling for finishing, thus reducing time and labor. This product was developed for use in leveling roofs and floors and will level surfaces up to 1 ½" thick.</p>	<p>Mixing: Always mix thoroughly before application. Mix the 40 lbs. bag of powder with 6 ¼ quarts of clean water. Add the powder to the water slowly while mixing with a heavy-duty electric drill (½") affixed with mixing paddle at 650 rpm. Mix thoroughly for 2 to 3 minutes until a lump free consistency is obtained.</p> <p>Ultra Level™ UL-221 will cover approximately 40 sq. ft. per 40 lb. bag at a 1/8" (3mm) thickness or 20 sq. ft. per 40 lbs. bag at ¼" thickness. Apply or pour the prepared product over surface and it will find its' own level within 20 minutes. If a second layer is required, install immediately after the first layer is dry and hard enough to walk over. Allow primer to dry to a tacky state before applying a second coat of Ultra Level™ UL-221.</p>	<p>Flow Time: 15-25 minutes @ 70°F</p> <p>Pot Life: 30 minutes @ 70°F</p> <p>Working Time: 20 minutes @ 70°F</p> <p>Compressive Strength: 7 days 2580 psi 28 days 4400 psi - ASTM C109</p> <p>Initial Set: 90 minutes @ 70°F -ASTM C191</p> <p>Final Set: 3 ½ hours @ 70°F</p> <p>Flexural Strength: 28 days 850 psi - ASTM C348</p> <p>Tensile Strength: 28 days 420 psi</p> <p>Bond Strength: 28 days 400 psi</p> <p>Storage Life: 1 year (kept dry in original containers)</p> <p>Color: Gray</p>
<p>Product Advantages</p>	<p>When multiple applications are required to achieve a thickness greater than 2" a structural engineer should be consulted.</p>	
<p>Product Uses</p>	<p>Cleanup: Clean all equipment immediately after use with warm soapy water. Completely flush all spray equipment with this solution.</p>	

- Interior and exterior use
- Modified polymers only require adding water
- Used over a wide variety of substrates.
- Pours 1/8" to 1 ½" in thickness

For industrial, commercial and residential application on new or previously coated concrete, wood, bonded tar & gravel, built-up asphalt roofs, modified bitumen (smooth & granulated), single ply, EPDM, TPO. Should be approved roof systems and/or substrates and should be in sound solid condition.

	THICKNESS	AREA (SQ. FT.)	40 LBS. BAGS	WEIGHT PER SQ. FT.
COVERAGE	1/8"	40	1	1.2 lbs.
	1/4"	20	1	2.4 lbs.
	1/2"	10	1	4.8 lbs.
	3/4"	10	2	9.6 lbs.
	1"	10	2	10.6 lbs.

