

TECHNICAL DATA

DESCRIPTION: **US Floor Level** is a single component, copolymer modified, self-leveling, high performance cementitious topping. **US Floor Level** is a ready-to-use, requiring only the addition of clean water to activate the polymer modified cement topping. **US Floor Level** has a special blend of plasticizers for zero shrinkage, high flow and bonding properties on prepared flooring substrates.

USE ON: Smooth surface for tile, coatings, rubber and vinylsheeting

- ADVANTAGES:**
- One component, pre-proportioned
 - Self-leveling, fast hardening topping
 - Excellent bond to prepared substrates

	1 day	2 days	28 DAYS
Compressive Strength (ASTM C 579)	1500 psi (10.3 MPa)	2500 psi (17.2 MPa)	4000 psi (27.6 MPa)
Flexural Strength (ASTM D 580)	500 psi (3.5 MPa)	750 psi (5.2 MPa)	1300 psi (9.0 MPa)

SURFACE PREPARATION: Remove all dirt, grease, oil, laitance and curing compounds from masonry, concrete, mortar and stone substrates by sand blasting or mechanical roughening. In case of application to metallic surfaces, remove grease, oil, rust and loose mill scale by sandblasting or wire brushing. The use of a high pressure power washing equipment is suggested to assure the thorough removal of all dirt, grease, oils, paints and potential surface laitance. For heavy surface contamination the use of a degreaser may be required.

PRIMING: Prime the surface with **US Floor Level** prior to placement of the topping or repair. The advantage of a primer is to prevent air release from the sub-floor rising and forming bubbles and pinholes on the surface of the self-leveling floor topping. The prime coat is mixed at a ratio of 1 gal (3.79 L) **US Floor Sealer** with 2 gals (7.57 L) potable water, and spread by brush or roller at a rate of 200 - 300 sq. ft. (18.58 m² - 27.87 m²) per gallon. Apply **US Floor Level** while **US Floor Sealer** is still tacky. If the prime coat dries prior to the placement of **US Floor Level**, apply a second coat of primer.

MIXING: Mix material with a slow speed drill and mixing paddle. Each 50 lb (22.7 kg) bag of **US Floor Level** requires the addition 6 - 6.5 pints (2.8 - 3.0 L) of cool, clean water to produce a free-flowing, self-leveling consistency. Add the mix to the water. Mix for 3 minutes. When using drill type mixer, keep the mixing head well down in the liquid to avoid any entrapment of air. Do not mix for more than 5 minutes. For thicknesses over 1/2 inch, **US Floor Level** can be extended with #30 x #60 silica sand in equal portions. Do not add extra water.

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- APPLICATION:** Pour mixed material onto primed substrate and spread with squeegee or trowel and allow to self-level. Any high spots can be pared off with the edge of a trowel after initial set. The required thickness must be achieved in one application. For best results, pouring and leveling should be continuous until area is completely leveled.
- LIMITATIONS:** Working time is approximately 20 minutes at 70°F (21.1°C). Higher temperatures reduce the work time. If mix stiffens, it should be discarded. On-grade slabs must have a damp proof membrane in the subfloor. Surface should be cool before applying **US Floor Level**. Do not use below 40°F (4.4°C). **US Floor Level** should be protected from direct sunlight and strong wind for 2 - 4 hours.
- PACKAGING:** **US Floor Level** is packaged in 50 lb (22.75 kilo) Kraft multi-wall, polyethylene lined bags. Yield is approximately .45 ft³ covering approximately 23 square feet at 1/4 inch thick.

CAUTION: **WARNING! CONTAINS FREE SILICA & PORTLAND CEMENT. DO NOT BREATHE DUST.** May cause delayed lung injury (silicosis). Follow OSHA safety and health standards for crystalline silica (quartz). Cement powder or freshly mixed concrete grout or mortar may cause skin injury. Avoid contact with skin and wash exposed skin areas promptly with water. If any cement powder or mixture gets into the eyes, rinse immediately and repeatedly with water and get prompt medical attention.