

TECHNICAL DATA

DESCRIPTION: US Floor Level is a single component, cement based, self-leveling high performance underlayment that can be used to create a smooth, flat and level surface prior to the installation of floor coverings. Extended working time, low shrinkage, superior leveling and bonding properties allow for renovation and new construction projects where next day flooring installations are critical.

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

- ADVANTAGES:**
- One component / Pre portioned / Self-Leveling / Fast hardening
 - Installations from 1/8" – 3" neat and up to 5" properly extended
 - Excellent bond to prepared substrates
 - Leave open to normal construction traffic up to 12 months
 - Feather edge to meet existing elevations

	4 hours	1 day	28 DAYS
Compressive Strength (ASTM C 579)	1000 psi (6.9 MPa)	4000 psi (31.0 MPa)	5000 psi (35.0 MPa)
Flexural Strength (ASTM D 580)			>1000 psi (6.9 MPa)

SURFACE PREPARATION: US Floor Level is not a vapor barrier. Moisture testing should be completed to verify compliance with coating, adhesive or flooring manufacturer's product.

The tensile strength of all concrete surfaces must be greater than 72 psi. If tensile strength is less than 72 psi, the concrete must be abraded by mechanical means such as shot blasting, grinding, or scari-fying until sound concrete is reached. Continue with preparation once adequate tensile strength is achieved.

All surfaces must be clean, sound, dry, and free of all laitance and foreign substances that will act as a bond breaker. (Never use acid or chemical mastic removers on any surface to which a USCP material will be applied). Mop and vacuum as necessary.

ROUGH OR POROUS CONCRETE

Priming: Apply one coat of US Floor Primer diluted 50/50 (1 part water : 1 part US Floor Primer) using a split tip broom. Pour out and work into surface, leave no puddles or bare spots. Apply US Floor Level once US Floor Primer is dry (Minimum 1 hour) and up to 24 hours. If Primer has dried longer than 24 hours a second coat of US Floor Primer may be required.

Application guide: 1/8" over the highest point. 1/4" up to 3" neat, 5" extended.

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- SURFACE PREPARATION: (CONT'D)** NON-POROUS, SMOOTH CONCRETE, EPOXY, TERRAZZO, OR HARD TILE
Mechanically abrade substrate to a dull finish by shot-blasting or grinding. Vacuum or mop to remove dust.
Priming: Apply one thin undiluted coat of US Floor Primer using a 3/8" nap roller and allow to dry for a minimum of 1 hour. If US Floor Primer has dried longer than 24 hours a second coat of US Floor Primer may be required.
- MIXING:** US Floor Level can be mixed by 850 rpm drill and paddle, or in a high shear mixer. Mix 2-bag batches of US Floor Level in an appropriately sized container. Place a maximum 5.5 quarts of potable water per 50 lb. bag into the mixer. Add US Floor Level while the mixer is operating at full speed. Mix for 2 minutes or until lump free. Do not add water and keep the mixing paddle in the material to avoid entraining excess air.
- INSTALLATION:** Pour the blended US Floor Level on the floor immediately and disperse with a gauge rake followed by finishing with a smoother. Plastic athletic cleats should be worn when using the smoother to avoid leaving marks. US Floor Level will maintain its workability and healing for up to 20+ minutes.
NOTE: During and after application up to 24 hours, maintain adequate ventilation, but do not expose placement to excessive air movement and protect from direct sunlight as these may cause uneven curing, false set and cracking.

COVERAGE CHART: (GUIDELINE - MAY VARY DEPENDING ON SUBSTRATE CONDITIONS)

Square Footage	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1-1/2"	2"
100	4	6	8	10	12	14	16	24	32
500	20	30	40	50	60	70	80	120	160
1000	40	60	80	100	120	140	160	240	320
2000	80	120	160	200	240	280	320	480	640
3000	120	180	240	300	360	420	480	720	960
4000	160	240	320	400	480	560	640	960	1280
5000	200	300	400	500	600	700	800	1200	1600
10,000	400	600	800	1000	1200	1400	1600	2400	3200

- LIMITATIONS:** It is the responsibility of end user to review this complete technical data sheet and to follow surface preparation, mixing and installation instructions. The information provided above acts only as a general guideline and may vary based on jobsite conditions. Please call USCP with any specific questions. Honor all joints, and repair moving cracks to avoid reflective cracking through the US Floor Level. US Floor Level is self-curing. No wet curing methods or cure and seals should be used. On new concrete, always test for curing compounds which may inhibit bond. If curing compounds are present they must be removed by mechanical means prior to applying US Floor Level. Do not use over materials containing Asbestos.
- PACKAGING:** US Floor Level is packaged in 50 lb (22.75 kilo) Kraft multi-wall, polyethylene lined bags. Yield is approximately 25 ft² at 1/4 inch thick and approximately 12.5 ft² at 1/2 inch thick. Color is Grey. Shelf life approximately 6 months.

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.