



SUPERCAP

The Next Generation Slab™

EXTENDING LATICRETE SUPERCAP WITH PEA GRAVEL - TDS-232S

LATICRETE® SUPERCAP® self-leveling underlayment pour depth can be extended by using clean, dry pea gravel, up to twice the maximum standard pour depth in just one pour. Extending LATICRETE SUPERCAP can be challenging, as it is difficult to maintain a wet edge with deeper pours; particularly in hot weather. A crew of workers will need the ability to pour and work a much larger amount of materials in roughly the same amount of time as a typical pour depth in order to maintain a wet edge. For these reasons it is recommended that this type of work be conducted by a very skilled, qualified and experienced applicator and crew. Additional workers may be needed.

LATICRETE SUPERCAP Self-Leveling Underlayment	Maximum Standard Pour Depth per lift	Maximum Pour Depth When Extended With Pea Gravel per lift
LATICRETE SUPERCAP SC500	1.50" (38mm)	3" (76mm)
LATICRETE SUPERCAP SC720	1.25" (32mm)	2.50" (64mm)

For rough estimate of approximate material usage the following may be helpful:

- Calculate total weight of LATICRETE SUPERCAP for total full pour depth (weight including sand if using LATICRETE SUPERCAP concentrate)
- Multiply total weight x 0.60. This will give approximate quantity of LATICRETE SUPERCAP needed (including sand if using LATICRETE SUPERCAP concentrate)
- Multiply total weight x 0.40. This will give approximate weight of pea gravel needed

Use only clean, dry 1/4" to 3/8" (6 to 9 mm) pea gravel. Dirty or dusty pea gravel may contribute to a weak, non-bonded underlayment. Wet pea gravel may cause the LATICRETE SUPERCAP to be over watered. Do not use limestone or other potentially reactive aggregates.

There are three recommended methods for extending pour depths with LATICRETE SUPERCAP self-leveling underlayments. All methods require the surface to be properly prepared and primed prior to installation. Refer to **LATICRETE SUPERCAP SUBSTRATE PREPARATION AND PRIMER GUIDE TDS-230S** for more detailed surface preparation and priming instructions.

Method 1: Single Lift Using Super Sacks & Pump Truck

Once the floor is properly prepared and primed with LATICRETE SUPERCAP Primer, place an even layer of clean, dry 1/4" to 3/8" (6 to 9 mm) pea gravel over the primed surface at no more than half of the maximum extended pour depth of the LATICRETE SUPERCAP product being installed (example: for a 3" [76mm] total pour depth, the pea gravel should be placed up to 1.5" [38mm] deep). Load and blend LATICRETE SUPERCAP in the Pump Truck per typical operating procedure. While pumping the LATICRETE SUPERCAP over the pea gravel, immediately rake aggressively to ensure full wetting of the pea gravel with the LATICRETE SUPERCAP and full contact and bond with the primed substrate. While the LATICRETE SUPERCAP/pea gravel mix is still wet and workable immediately pump additional LATICRETE SUPERCAP over the raked and fully wetted LATICRETE SUPERCAP/pea gravel mix up to the desired elevation without

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exceeding the maximum extended pour depth of the LATICRETE SUPERCAP (e.g. maximum 3" for SC500 or 2.5" for SC720). While the LATICRETE SUPERCAP is still workable, pass a smoother tool over the surface to provide a flat finish. Repeat this process maintaining a wet edge until entire area has been completed.

Method 2: Barrel Mixing Using 50 lb. Bags of Pre-Sanded LATICRETE SUPERCAP

Once the floor is properly prepared and primed with LATICRETE SUPERCAP Primer, clean dry pea gravel can be added directly to the LATICRETE SUPERCAP while barrel mixing. Mix powder and water according to the product data sheet (2-3 minutes) then add clean dry pea gravel (approximately 35 lbs. [15.9 kg] pea gravel per 50 lb. [22.7 kg] bag of the pre-sanded LATICRETE SUPERCAP); mix until uniform and lump free (1-2 minutes). Pour LATICRETE SUPERCAP/pea gravel mix over properly prepared and primed surface then rake and spread mixture up to half of the total extended pour depth. While the LATICRETE SUPERCAP/pea gravel mix is still wet and workable immediately barrel mix and pour additional LATICRETE SUPERCAP (without pea gravel) over the raked and fully wetted LATICRETE SUPERCAP/pea gravel mix. Do not exceed the maximum extended pour depth of the LATICRETE SUPERCAP (e.g. maximum 3" (76 mm) for SC500 or 2.5" (64 mm) for SC720). Then pass a smoother tool over the surface to provide a smooth and flat finish. Repeat this process maintaining a wet edge until entire area has been completed.

Method 3: Two Pour/Lift Application

Once the floor is properly prepared and primed with LATICRETE SUPERCAP Primer, use a two pour/lift application by choosing either method 1 or 2 described above to "pre-fill", however, only pour approximately 1/4" of additional LATICRETE SUPERCAP over the wet/still workable pea gravel mix. Allow the "pre-fill" to dry until walkable. Note that the surface may not be completely flat due to pea gravel near the surface. Next, double prime the surface with LATICRETE SUPERCAP Primer using the **High-Suction** primer method. Refer to **Priming** section of the **LATICRETE SUPERCAP SUBSTRATE PREPARATION AND PRIMER GUIDE TDS-230S** for detailed **High-Suction** priming instructions. Once the second coat of primer is dry, cap the "pre-fill" by pouring LATICRETE SUPERCAP according to the normal mixing and installation instructions to the desired elevation. Do not exceed maximum extended pour depth of the LATICRETE SUPERCAP (e.g. maximum 3" (76 mm) for SC500 or 2.5" (64 mm) for SC720). Pass a smoother tool over the surface to provide a smooth and flat finish. Repeat this process maintaining a wet edge until entire pre-fill area has been completely covered.

Extended LATICRETE SUPERCAP applications will require longer drying times. Always refer to finish floor manufactures written instructions and recommendations for suitable substrates, moisture conditions and other considerations. It is important to note that successfully extending the pour depth of LATICRETE SUPERCAP depends greatly on the experience and speed of the contractor, application method, and the jobsite environmental conditions. It is highly recommended that a mock up is installed on site to verify suitability and to ensure required performance and desired outcome is achieved. Please note that LATICRETE SUPERCAP physical properties including compressive, tensile and flexural strength will vary when extending with pea gravel.

Technical Data: Specifications are subject to change without notification. Technical data shown in LATICRETE SUPERCAP product data sheets and technical data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary greatly due to variability of critical job site factors.

Technical Data Sheets are subject to change without notice. For latest revision, check our website at www.laticretesupercap.com
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