

STEP-BY-STEP APPLICATION INSTRUCTIONS FOR DIFFERENT KIND OF FINISHES

(detailed application instructions for particular ULTRALIT product can be found in PDS)

New Concrete (densifying needed)	New Concrete (densifying and sheen needed)	New Concrete (densifying and gloss needed)	Old concrete (dustproofing needed)	Old concrete (dustproofing and sheen needed)	Old concrete (dustproofing and gloss needed)
<ol style="list-style-type: none"> 1. Do Your best in trowelling of concrete surface with metal blades. 2. Cover concrete with foil. 3. Before cutting of joints (typically second day after concreting) apply 30-50 ml/m² of Ultralit Hard Standard or Premium. 4. Cut joints after surface is tack-free (typically 2-3 hours after densifier application) and cover concrete with foil. 5. Apply 50-100 ml/m² of Ultralit Hard Standard or Premium on 14th day after concreting. 	<ol style="list-style-type: none"> 1. Do Your best in trowelling of concrete surface with metal blades. 2. Cover concrete with foil. 3. Before cutting of joints (typically second day after concreting) apply 30-50 ml/m² of Ultralit Hard Standard or Premium. 4. Cut joints after surface is tack-free (typically 2-3 hours after densifier application) and cover concrete with foil. 5. Apply 50-100 ml/m² of Ultralit Hard Standard or Premium on 14th day after concreting. 6. Burnish the floor with high-speed propane burnisher equipped with diamond abrasive pads to achieve a nice sheen. 	<ol style="list-style-type: none"> 1. Concrete should be 28 days old. 2. Establish starting grinding point in dependence of surface quality and desired aggregate exposure. Use vacuum in case of dry grinding. Use autoscrubber to clean floor between grinding and polishing steps. 3. Typically start grinding with #30 grit metal diamonds. 4. Grind with #50 grit metal diamonds. 5. Check surface for imperfections. If pin-holes repairs needed, use Ultralit Latex. 6. Grind with #100 grit metal diamonds and apply Ultralit Latex (50-200 ml/m²) in front of the grinder. Let the mix on the floor dry for 3-4 hours. 7. Repeat grinding with #100 grit metal diamonds. 8. Polish the floor with #100 resin diamonds. 9. Apply 80-100 ml/m² of Ultralit Hard Standard or Premium. Let it dry for 1 hour. 10. Polish the floor with #200 resin diamonds. 11. Polish the floor with #400 resin diamonds. 12. Polish the floor with #800 resin diamonds. 13. If more gloss required, continue with #1500 resin diamonds. If not, skip to step 15. 14. Polish the floor with #3000 resin diamonds. 15. Apply 2 coats of Ultralit Gloss (20-30 ml/m² per each coat). Burnish each application with high-speed propane burnisher equipped with woven pads to achieve a perfect gloss. 16. Keep the floor from contact with water for 72 hours minimum! 	<ol style="list-style-type: none"> 1. Check the quality of concrete surface with Mohs pencils or Shmidt hammer. Application on concretes below 20 MPa can be not effective. 2. If surface is hard and smooth, go to step 3. If not, perform grinding with metal diamonds to remove weak upper layer of concrete. 3. Clean the surface with autoscrubber. 4. Saturate the floor with Ultralit Hard Premium (100-200 ml/m²). 5. Let it dry and autoscrub again to remove any residues from the surface. 	<ol style="list-style-type: none"> 1. Check the quality of concrete surface with Mohs pencils or Shmidt hammer. Application on concretes below 20 MPa can be not effective. 2. Establish starting grinding point in dependence of surface quality. Use vacuum in case of dry grinding. Use autoscrubber to clean floor between grinding and polishing steps. 3. Typically, start with #50 or #100 resin diamonds. Use Ultralit Latex on #100 metals if needed. 4. Clean the surface with autoscrubber. 5. Apply 80-100 ml/m² of Ultralit Hard Standard or Premium. Let it dry for 1 hour. 6. Burnish the floor with high-speed propane burnisher equipped with diamond abrasive pads to achieve a nice sheen. 	<ol style="list-style-type: none"> 1. Check the quality of concrete surface with Mohs pencils or Shmidt hammer. Application on concretes below 20 MPa can be not effective. 2. Establish starting grinding point in dependence of surface quality and desired aggregate exposure. Use vacuum in case of dry grinding. Use autoscrubber to clean floor between grinding and polishing steps. 3. Typically start grinding with #30 grit metal diamonds. 4. Grind with #50 grit metal diamonds. 5. Check surface for imperfections. If pin-holes repairs needed, use Ultralit Latex. 6. Grind with #100 grit metal diamonds and apply Ultralit Latex (50-200 ml/m²) in front of the grinder. Let the mix on the floor dry for 3-4 hours. 7. Repeat grinding with #100 grit metal diamonds. 8. Polish the floor with #100 resin diamonds. 9. Apply 80-100 ml/m² of Ultralit Hard Standard or Premium. Let it dry for 1 hour. 10. Polish the floor with #200 resin diamonds. 11. Polish the floor with #400 resin diamonds. 12. Polish the floor with #800 resin diamonds. 13. If more gloss required, continue with #1500 resin diamonds. If not, skip to step 15. 14. Polish the floor with #3000 resin diamonds. 15. Apply 2 coats of Ultralit Gloss (20-30 ml/m² per each coat). Burnish each application with high-speed propane burnisher equipped with woven pads to achieve a perfect gloss. 16. Keep the floor from contact with water for 72 hours minimum!