



Nano-Silica Technology
for Concrete

HARDWARE FLOOR FINISH

PERFORMANCE SPECIFICATION FOR POLISHING USING THE LYTHIC HARDWEAR FLOOR SYSTEM –

Dust proofed Abrasion resistant floor with reflectivity.

This specification is provided as a service and is intended to be used as a guideline for preparing the appropriate project specific specification sections.

EXECUTION

SURFACE CONDITIONS:

Examine substrate for conditions affecting performance of finish. Correct conditions detrimental to timely and proper work. Do not proceed until unsatisfactory conditions are corrected.

A. Verify that base slab is clean of any mastic or adhesives from previous floor coverings, loose debris, dirt, mildew, oils and grease and efflorescence, curing and latent construction materials.

B. New concrete must be in place a minimum of 28 days or as directed by the Manufacturer before application can begin.

APPLICATION

New, Hard-Trowelled floors

1. Clean surface with cleaner and water and some kind of agitation (use of stripper pads is ideal) to remove any loose material.
2. Apply **Lythic** Densifier – keep wet for **15-minutes**
3. After it dries, remove dried material by cleaning again – using stripper pads and water. Allow to damp dry.
4. Apply **Lythic XL** Densifier – keep wet for **15-minutes**
5. After it dries, remove dried material by cleaning again – using stripper pads and water
6. Once completely dry burnish concrete with Hogs Hair or Green Twister pads. Or apply Lythic Protector and then burnish with high-speed burnishing pad Hogs Hair or Green Twister pads are an option.

Existing slabs

1. Grind to remove residues and hone at 80 or 100-grit resin.
2. Apply **Lythic** Densifier – keep wet for **15-minutes**
3. After it dries, remove dried material by cleaning again – using stripper pads and water. Allow to damp dry.
4. Apply **Lythic XL** Densifier – keep wet for **15-minutes**
5. After it dries, remove dried material by cleaning again – using stripper pads and water
6. Once completely dry burnish concrete with Hogs Hair or Green Twister pads. Or apply Lythic Protector and then burnish with high-speed burnishing pad Hogs Hair or Green Twister pads are an option.



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Final step Lythic Protector System (optional)

Lythic Protector is recommended, as a contaminant barrier and to increase the shine and depth of colour. Surface should be completely clean and dry before application of Lythic Protector. Using a low-pressure pump sprayer, apply Lythic Protector in a **light mist**. Using a damp micro fibre or flat cotton pad applicator, spread Lythic Protector in a **thin film coat** using a figure 8 motion to reduce streaking and to prevent puddling.

Once completely dry use floor stripper pads to smooth out the Protector barrier (Black Stripper Pad) Then burnish with Hogshair pad or similar/ **OR** use **diamond impregnated pads** will do the same as the 2 step process as described above. Burnishing with a minimum **2000** RPM machine.

For this burnish achieve a concrete surface Temp of **32C**. A hand held digital temperature device is ideal for this purpose and can be purchased from **Jaycar** 16-18 Fisher Crescent Mt Wellington, Ph. 0800 452 922 model number is **QM7215**

Allow finished floor to cure for 24 hours before allowing regular foot traffic. Wait 72 hours before leaving standing water. Protector is only for Indoor usage. Reapplying Protector and burnishing can renew the shine.

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