

SEALING DETERIORATED HIGH-STRENGTH FLOORS

Problems

Molds and mildew, dampness, water seepage

Examples of floors

Floors in prisons, factories, warehouses, governmental or commercial buildings

Typically, high-strength concrete (6 – 8,000 psi), 2 – 3 ft. thick

Application Procedure

1. Surface preparation:

Remove molds and mildew, paint or wax, adhesives, efflorescence, and open up the surface, if applicable (see Surface Preparation below)

2. Dampen the concrete:

Spray with water. Or, flood the surface with water, squeegee off puddles, and let partially dry for 30 minutes.

3. Spray on RadonSeal:

Use a hand-pump or battery pesticide sprayer. Or an airless sprayer set at 40-60 psi with a lacquer tip and a long hose (100-150 ft.) for mobility.

Spray on RadonSeal Standard in 2 successive continuous-film applications.

Coverage rate ... 150 – 125 sq. ft./gallon for each application. Spread out puddles with a broom.

Apply the 2nd application while still damp, 15 – 20 minutes after the 1st.

Note: Extremely porous areas, which absorb the sealer in less than 1 minute, need a 3rd successive application while still damp.

4. Clean-up:

In 6 – 12 hours after sealing, hose off the surface with water and scrub with a deck brush to remove any residue. Or use a commercial floor scrubber.

Within the first several days, RadonSeal will purge minerals, dirt, and efflorescence from the concrete – sweep up or shop-vac.

Note: In case there is still excessive water vapor transmission after 30 – 60 days of curing, the concrete requires a secondary sealer – Ion-Bond Armor.

Surface Preparation

Shot-Blasting - the preferred method for complete cleaning and opening up the surface. Or a floor-grinder.

Other methods:

Molds and mildew: Chlorine bleach solution (25 – 50% bleach) or RadonSeal Efflorescence Cleaner.

Paint or adhesives: Sand- or water-blasting. Our paint stripper or Universal Concrete Cleaner.

Efflorescence: Stainless steel brushes or RadonSeal Efflorescence Cleaner.

Oil: Our Universal Concrete Sealer.

Dirt: Sweep and shop-vacuum. Clean with our Universal Concrete Sealer.

Hard-cap surface: A very smooth, shiny finish from excessive machine-troweling. Use the “eyedropper test” to check porosity. Acid-etch with muriatic acid, neutralize with ammonia solution, rinse off.