



DATA SHEET NO. 3531-000

HIAC™-PLUS Acrylic Concrete Sealer (VOC-Compliant)

DESCRIPTION

HIAC-PLUS acrylic concrete sealer is a high solids, acrylic polymer solution that dries to a clear, colourless film, which improves abrasion resistance of the concrete. The product provides strong, durable film that will not after-yellow. It also provides improved weather and stain resistance, combined with a dustproof sealer.

USES

HIAC-PLUS can be used on driveways, patios, loading docks, swimming pool areas, and exposed aggregate, as well as any exterior surface where protection and sealing of concrete is desired (dries to a medium high sheen).

HIAC-PLUS offers improved resistance to rain, sun, freezing temperatures, stains, oil, grease, de-icing salts, cleaning agents (except aromatic solvents), and caustics, as well as airborne soot, dust, and other pollutants.

FEATURES/BENEFITS

- Permeable film allows moisture in cured concrete to evaporate.
- High acrylic content for positive weatherproofing, stainproofing, and dustproofing qualities.
- Provides a clear, tough, easy-to-clean film, which improves abrasion and stain resistance.
- High or medium sheen - quick drying.
- Floors sealed with HIAC-PLUS can later be painted (consult reputable paint manufacturer for compatibility) or covered with resilient flooring, if desired.

PACKAGING

3.78 Litre Pails
18.9 Litre Pails
205 Litre Drums

COVERAGE

7.35 – 14.7 m² per litre (300 – 600 ft.²/U.S. gallon). Coverage is approximate and may vary depending on surface finish/texture, concrete condition, climatic conditions, etc. Always apply to a test area first to determine actual coverage rate before full-scale application.

SHELF LIFE

When stored indoors in original, unopened containers at temperatures between 4° - 32° C, optimum performance and best use is obtained within two years of date of manufacture.

SPECIFICATIONS

- Complies with Canada VOC Concentration Limits for Architectural Coatings Regulations

APPLICATION

Surface Preparation ... Concrete surface must be clean and dry with all stains, oil, grease, dust, dirt, and curing compounds removed prior to application.

Application Method ... Use a sprayer or short-nap roller to apply a uniform film. Avoid puddling in low areas. If puddles occur, brush or roll them out. A standard industrial-grade sprayer, such as a Chapin 19069, equipped with Viton fittings, a 1.9 LPM (0.5 GPM) nozzle, and fan spray pattern, is recommended. Apply over the entire surface; avoid puddling in low areas.

For optimum performance, apply first coat at 14.7 m²/L (600 ft.²/gal.). After the first coat has thoroughly dried, apply a second coat at 14.7 m²/L (600 ft.²/gal.). NOTE: Second coat should be applied at a right angle. Avoid puddling in low areas. Restrict foot traffic for at least four hours. Twelve hours is preferable.

For full application guidelines, please visit <http://www.wrmeadows.com/vocapp/>.

Mixing ... For optimum performance, gentle mixing or agitation is recommended. CAUTION: TO AVOID FOAMING, DO NOT MIX EXCESSIVELY.

Drying Time ... HIAC-PLUS dries quickly. Drying times may be extended depending on application rate, temperature, humidity, and project conditions. Restrict foot traffic for at least four hours. Twelve hours is preferable.

Cleanup ... Clean tools after use with a solvent such as SEALTIGHT SOLVENT from W. R. MEADOWS, xylene, or toluene.

Continued over

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PRECAUTIONS

FOR OUTSIDE/EXTERIOR APPLICATION ONLY. For industrial use only. HIAC-PLUS IS FLAMMABLE. KEEP AWAY FROM ALL OPEN FLAMES, SPARKS, IGNITION SOURCES, etc. Use with adequate ventilation and block all HVAC ventilation ducts which may spread product vapours - vapours are flammable and heavier than air. If product odours are objectionable, W. R. MEADOWS recommends using a water-based product, such as our DECRA-SEAL™ W/B or any of the VOCOMP® series products. HIAC-PLUS must be applied without diluting or thinning. Surfaces treated HIAC-PLUS may become slippery under certain conditions. To increase slip resistance, addition of SURE-STEP™ from W. R. MEADOWS is recommended.

HIAC-PLUS should not be applied in direct sunlight, or in high temperature conditions. These conditions cause rapid evaporation, preventing proper film formation, which may cause the dried film to peel, bubble, become hazy, and/or turn white (blush). Surface temperature of the concrete must be between 4° - 32° C at time of application to allow for proper film formation.

HIAC-PLUS should not be applied to concrete exposed to excessive moisture. Entrapped moisture in a solvent-based sealer may cause the film to peel and/or turn white (blush). Improper or over-application may cause the dried HIAC-PLUS film to appear hazy and/or white.

HIAC-PLUS is a membrane-forming sealer. All membrane-forming sealers may darken concrete or magnify imperfections caused by variations in the porosity and/or finishing of the concrete.

Concrete containing calcium chloride will remain dark longer when treated with HIAC-PLUS. A small test patch application is always recommended. Concrete floors properly sealed with HIAC-PLUS meet of the requirements of ASTM C1315, Section 8.8 - Adhesion: For ceramic tile adhesives that meet the requirements of ANSI A 136.1-1992. For other specifications, applications, installations, etc., please obtain approval for use, from the manufacturer of the subsequent product/ treatment being applied. The specifier and user shall determine the suitability of product for specific applications and assume all responsibility in connection therewith

HEALTH AND SAFETY

Contains solvent. Use with adequate ventilation and avoid prolonged breathing of vapours that may cause dizziness or suffocation. Avoid contact with skin and/or eyes. See product label and Safety Data Sheet for additional information. Read and follow all instructions and precautions.

Harmful or fatal if swallowed.

MASTERFORMAT NUMBER AND TITLE

03 05 00 - Common Work Results for Concrete

LEED INFORMATION

May help contribute to LEED credits:

- MRc9: Construction and Demolition Waste Management

For most recent data sheet, further LEED information, and SDS, visit www.wrmeadows.com.

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