

IsoCoat HRN 5500

IsoCoat HRN 5500 is a two-component hybrid low-pressure spray coating. This product was developed for contractors to use in various conditions and applications.

APPLICATIONS

- Boat Decks
- Cargo and Utility Vehicles
- Concrete Surfaces
- Containment
- Emergency Equipment linings
- Industrial Floors
- Truck Bed & Trailers Applications
- Various OEM Applications
- Waterproofing

PRODUCT ADVANTAGES

- 100% Solids
- Convenient 1:1 mixing ratio by volume
- Fast cure; can be handled/walked on in less than 1 hour

*Values given are not intended to be used in specific preparation

Component Properties

Color - ISO	Pale yellow
Color - POL	Black
Viscosity - ASTM D-2196 - 74°F, ISO	1340 cps
Viscosity - ASTM D-2196 - 74°F, POL	540 cps
Weight per gallon - ISO	9.44
Weight per gallon - POL	8.77

Reactivity Profile

Ratio by Weight - ISO:POL	1.123 : 1.00
Ratio by Volume - ISO:POL	1:1
Gel Time - 100 gram sample, 74°F	14 - 16 Seconds
Tack Free Time - 100 gram sample, 74°F	20 - 24 Seconds
Sprayed Gel Time	5 Seconds
Sprayed Tack Free Time	8 Seconds
Full Cure	7 Days

Typical Physical Properties

Hardness - ASTM D2240 - Shore D	55 Shore D
Tear Strength - ASTM D624, Die C	162 pli
Tensile Modulus - ASTM D412	3200 psi
Tensile Modulus - ASTM D412 - 100%	1120 psi
Tensile Strength - ASTM D412	1300 psi
Elongation - ASTM D412	120 %

RECOMMENDED HANDLING INSTRUCTIONS

Always mix/roll POL side prior to use to ensure a homogenous product.

IsoCoat HRN 5500 was designed to be sprayed with lower pressure spray equipment. IsoCoat HRN 5500 can be sprayed at a temperature range of 75-95F. The recommended pressure settings are a material output of 45psi and the air regulator set to 60-70 psi.

When finishing application of coating the next day:

Lightly abrade the sprayed surface to remove gloss. Remove dust and clean surface with a solvent such as acetone or isopropyl alcohol. Allow solvent to dry for 30 minutes before spraying the coating. Do not spray past the area that has been prepared.

STORAGE

Protect ISO and POL side from moisture. If the ISO side material is exposed to moisture, including moisture from the air, it will release CO₂ gas. If placed in a sealed container, this gas can cause a dangerous buildup of pressure potentially resulting in injury or death. If the POL side is exposed to excess moisture and then applied it may cause weak or foamed material to be applied.

SAFETY

- Refer to the product SDS for all relevant safety information.
- Use only in well-ventilated areas.
- Wear chemically resistant rubber gloves, safety glasses, and an apron.
- Avoid prolonged or repeated contact with skin.
- In case of skin contact, wipe affected area with isopropyl alcohol, followed by soap and water.
- In case of eye contact, flush eyes with water for 15 minutes and consult a physician.
- If swallowed or comes into contact with eyes, seek medical attention immediately.
- Always mix/roll POL side prior to use to ensure a homogenous product.

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- Reported laboratory test results of the color stability in no way relates to the actual performance upon exposure to light sources. Since all aromatic urethanes experience color degradation upon ultraviolet light exposure, Seller shall not be liable for any damages resulting from ultraviolet light color degradation of any aromatic urethane systems manufactured or sold by Seller.
- The liability of the Seller shall not exceed the purchase price and the Buyer shall not be entitled to nor the Seller be liable for any consequential, incidental, indirect or special damages resulting in any manner from the furnishing of the product.

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