1C-55 Urethane

TECHNICAL DATA SHEET

RESINWERKS IC-55 is a 1-part, VOC compliant, moisture cured urethane that provides a high degree of chemical and abrasion resistance on a variety of substrates. IC-55 is an excellent choice for industrial high-traffic areas, warehouses, or as a dust-proofing sealer.

SKU: 208-1C55-05

USES:

- Warehouse flooring
- Heavy traffic industrial floors
- Automotive areas
- High foot traffic commercial settings

ADVANTAGES:

- Excellent chemical resistance
- Superior Abrasion resistance

PACKAGING & SHELF-LIFE

IC-55 Urethane is available in the following sizes:

- 5-gallon Pail (one-part, this product does not require catalyzation)

Shelf-Life:

- 12-months factory sealed and stored at room temperature.
- Do not allow to sit uncovered.

SUGGESTED APPLICATION:

Suitable Substrate(s): Concrete

- Apply at 8-30 mil thickness. May be used as a primer or in conjunction with another Resinwerks primer.

SURFACE PREPERATION:

Ensure substrate to be coated is clean, dry, and in sound condition. All laitance, curing compounds, concrete hardeners, and other surface contaminants must be removed. Prepare concrete in accordance with ASTM D 4259-83. Mechanical Shot Blasting is recommended to achieve a surface profile of ICRI CSP 3-5. Surface to be coated must be completely porous and free of excessive dust & contaminants.

MOISTURE IN CONCRETE

Concrete slabs should be tested prior to application for elevated moisture vapor emission levels. Resinwerks recommends ASTM F2170-19 standard for determining relative humidity in concrete slabs using RH probes. For more information, please contact your Resinwerks technical representative.

GENERAL PRODUCT **INFORMATION**

Color:	Clear
Solids Volume:	54%
V.O.C.:	3.3 lbs. per gallon
Pot-life:	N/A
Mix-Ratio:	N/A (1-component)
Mix Viscosity:	N/A (1-component)
Cure Schedule:	72° F @ 50% R.H.
To touch:	4-Hours
To re-coat:	6-Hours Minimum 12-Hours Maximum
Foot Traffic:	12-Hours
Heavy Traffic:	72-Hours
Clean-up:	Xylene
Application Temp:	60°F(15.6°C) - 90°F(32.2°C)

GENERAL PRODUCT **PERFORMANCE**

TEST TYPE	TEST METHOD	RESULT
Abrasion Resistance	ASTM D-4060	28 mg
Impact Resistance	ASTM D-2794	160 in. lb

APPLICATION:

Apply coating as uniformly as possible with 3/8" nap roller. Avoid excessive back rolling and cross rolling to lessen the chance of bubbling.

LIMITATIONS:

» Not recommended for immersion service
» Do not apply this product at ambient or floor temperature below 50°F or over 90°F or if the relative humidity is above 95%
» Do no apply over vinyl or asphalt
» This product is not recommended for exterior use.

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