

ISO-FLEX® 626

Polysiloxane sealer

DESCRIPTION:

ISO-FLEX® 626 polysiloxane sealer is an aqueous based, polysiloxane concrete sealer. The product reacts chemically with the concrete substrate to form a surface that is repellent to water, while remaining permeable to water vapor.

BASIC USE:

ISO-FLEX 626 polysiloxane sealer may be used in a wide variety of applications. The penetrating sealer protects and preserves the concrete without altering the natural surface texture.

PACKAGING*:

ISO-FLEX 626 polysiloxane sealer is available in .75 gallon (2.84 liter) and 4.5 gallon (17 liter) concentrates.

ADVANTAGES:

- Compliance with all state volatile organic compound regulations.
- May be applied to both dry and damp surfaces (less penetration on damp concrete).
- Easy to emulsify, providing for quick, accurate on-site dilutions.

LIMITATIONS:

- Application must be to clean, sound, substrates.
- Once diluted, final product has limited shelf stability (24 hours).
- May stain concrete surfaces due to differential absorption of the sealer. Always check a sample area before proceeding.
- May be incompatible with subsequent water protection systems.
- ISO-FLEX 626 polysiloxane sealer is designed to supplement, not replace, the weathering characteristics of a durable concrete surface. Best results will be obtained when applied to concrete surfaces proportioned, placed and finished in accordance with standards defined in the ACI Committee Report 201.2R-92: "Guide to Durable Concrete".
- Install above 40 degrees F (4.4 degrees C).

INSTALLATION:

- Prior to use, ISO-FLEX 626 polysiloxane sealer must be diluted with water *.
- Apply sealer to clean, sound substrate. Oily films should be removed prior to application.
- The product may be sprayed, brushed or rolled into the concrete surface. Clean application equipment immediately with water.

TECHNICAL DATA:

(Based on a 1:5.67 Volume to Volume Dilution 626 Conc.:Water)

Property & Test Method	Test Results
Solvent	Water
Weight per Gallon ASTM D1475	8.33 pounds/gallon
Flash Point (diluted sealer) ASTM D56	130 degrees F (54.4 degrees C)
Viscosity @ 75 degrees F (23.9 degrees C) ASTM D2196 Brookfield RVT No.5 @ 20 RPM	Less than 500 cps
Color	Slightly opaque solution
VOC (diluted sealer)	345 grams/litre
Freeze/Thaw Resistance ASTM C672-76 50 cycles	No scaling
Water Absorption NCHRP #244 (Series II Cube Test)	76% more effective than control
Chloride Absorption NCHRP #244 (Series II Cube Test)	85% more effective than control
Chloride Absorption NCHRP #244 (Southern Exposure)	99% more effective than control
Shelf Life @ 77 degrees F (25 degrees C)	1 year as concentrate
Shelf Life (diluted sealer)	24 hrs. (approx.)
Coverage Rate	125 feet ² /gallon

*Dilution and Application Procedures

ISO-FLEX 626 Polysiloxane Sealer is supplied as a concentrate that is diluted, in the field, prior to the application. Once the material has been diluted, the product has a limited shelf life (approx. 24 hours).

*Recommended Dilution Ratios

.75 gallon (2.84 liter) concentrate + 4.25 gallon (16.1 liter) water
= 5 gallon (18.9 liter) total

4.5 gallon (17.03 liter) concentrate + 25 .5 gallon (96.53 liter) water
= 30 gallon (113.56 liter) total

NOTE:

TECHNICAL DATA, shown above, is based on performance of new material only. Once applied, material properties are likely to be affected over time due to environmental factors such as aggressive UV exposure and/or extreme temperatures.

PRECAUTIONS:

To ensure safe installation ISO-FLEX 626 polysiloxane sealer, please refer to the Material Safety Data Sheet (MSDS) which accompanies each product shipment.

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