



innovative chemical technologies, inc.

FLEXIPEL S-11WS

TECHNICAL DATA SHEET

- ◆ **Partially Fluorinated Material That Provides Exceptional Oil And Water Repellency On Hard Surfaces**
- ◆ **Doesn't Significantly Change The Appearance, Feel, Color, Odor, Friction Or Other Properties Of The Substrate**
- ◆ **Virtually Colorless Solution In Odorless Mineral Spirits**
- ◆ **Ships DOT Non Regulated In Containers Less Than 119 Gallons (Flashpoint > 100 Fahrenheit)**
- ◆ **Virtually No Settling (Either As Supplied Or When Diluted) At Most Any Temperature**
- ◆ **Ambient Cure**
- ◆ **Treated Surfaces Resist Soils And Stains And Are Easier To Clean**
- ◆ **Can Be Diluted In A Wide Range Of Organic Solvents**

APPLICATIONS

- ◆ **Concrete**
- ◆ **Stone**
- ◆ **Tile**
- ◆ **Grout Sealers**
- ◆ **Wood and Decks**

TECHNICAL INFORMATION

Since Flexipel S-11WS is a fluorinated polymer, it is vastly superior to silicone based protectors. While silicone based protectors provide water repellency, they have very limited alcohol repellency and provide no oil repellency. In fact, silicone based protectors are oleophilic (oil loving) and actually attract oil based stains and oily soil. Not only do silicone protected surfaces become soiled more rapidly than untreated surfaces, but once they are soiled, they actually hold the oily soils and are very difficult to clean. A major benefit and value of Flexipel S-11WS is that surfaces protected with it soil much slower than untreated surfaces. Once they do become soiled, they clean easier and more efficiently, which translates into newness retention.

FORMULARY

Typically, 1 part Flexipel S-11WS is diluted with 10-30 parts of odorless mineral spirits or solvent of choice.

- ◆ Adjust level of S-11WS based on cost/performance properties required
- ◆ Dries to touch in 30-120 minutes and achieves maximum repellency in 16-24 hours, depending on application rates and conditions
- ◆ Can be applied with a low pressure airless sprayer (less than 60psi), roller or brush depending on the application. **NEVER USE A PAINT SPRAYER OR OTHER HIGH PRESSURE EQUIPMENT TO APPLY PRODUCT.** Power paint sprayers and other high pressure applicators generate high pressures, aerosolize the product and can create significant combustion and health hazards. Always use adequate ventilation. See MSDS for more information.

Example:

1 part of Flexipel S-11WS is diluted with 10 parts of Odorless Mineral Spirits and lightly sprayed on salt treated decking material and concrete, and can then be applied as is with an application rate of 1 gallon per 400-600 sq. feet.

TYPICAL PROPERTIES

Appearance	Colorless to light yellow liquid
Density @ 25C	0.75 +/- 0.04 g/ml (6.3 lbs/gal)
Odor	Mild
Water Solubility	Insoluble
Boiling Point	Approx. 320 F
Freezing Point	Gels at 9F. Can be restored to normal by warming to 40F
Evaporation Rate	n-butyl acetate = 1: 0.1
Solids. %	11.0-11.5

PACKAGING/HANDLING

Available in 55 gallon steel drums (350lbs net) and 5 gallon plastic pails (32lbs net).
DOT Proper shipping Name – Petroleum Distillates, N.O.S.,
Combustible Liquid UN 1268, PG III.

Note: In containers of 119 gallons or less, this product is not regulated by DOT.