



innovative chemical technologies, inc.

FLEXIPEL PAF-30

TECHNICAL DATA SHEET

- ◆ **Partially Fluorinated Material That Provides Exceptional Protection For Hard Surfaces With Little Or No Change In Appearance**
- ◆ **Excellent Oil And Water Repellency and Hold-Out – Resists Soils, Stains, Chemical Degradation, Efflorescence**
- ◆ **Vapor-Permeable: Reduces Cracking, Spalling, Freeze/Thaw Damage**
- ◆ **Water Based – Low VOC, Ambient Cure**
- ◆ **Readily Dilutes In Water/Alcohol/Glycol Mixture With Excellent Shelf Stability**
- ◆ **Non-Acidic: Safe For Use On Surfaces That Will Etch (e.g. Polished Limestone, Marble)**
- ◆ **Good Stability On Alkaline Surfaces (e.g., Concrete, Grout, Masonry)**
- ◆ **Physically and Chemically Bonds To Substrates: UV Resistant, Increased Coating Life**
- ◆ **Makes Cleaning Easier, Improves Newness Retention**

APPLICATIONS

- ◆ **Marble, Limestone, Concrete/Masonry**
- ◆ **Saltillo Tile, Clay Tile, Stucco**
- ◆ **Granite, Terrazzo, Grout**
- ◆ **Wood (Including Pressure Treated Lumber)**

TECHNICAL INFORMATION

Flexipel PAF-30 is a partially fluorinated product designed for aftermarket, ambient cure applications to hard surfaces. However, it can also be used in OEM applications.

Flexipel PAF-30 provides exceptional oil, alcohol, and water repellency. It is used to protect fine stone and concrete of all types. This anionic fluorochemical dispersion can be co-applied with other materials, such as ultraviolet light absorbers (Flexisorb AQ-50 for example), and stands out compared to other fluorochemical hard surface protectors because it is compatible with a broad range of materials and delivers excellent water repellency in their presence. Flexipel PAF-30 allows you to use one product across a broad range of hard surfaces with superior results.

Flexipel PAF-30 is a concentrated product that readily dilutes in deionized or softened water and aqueous cosolvent solutions with exceptional storage stability even after diluted. Products formulated with Flexipel PAF-30 meet all current VOC regulations.

FORMULARY

Recommended dilution rates vary from 4% to 12% of Flexipel PAF-30 depending on the application, application rate, porosity of the substrate, desired performance and cost parameters.

Dilutions: Hard surface applications and coverage rates will vary depending on the surface and the performance required, but typically 10% Flexipel PAF-30 will provide excellent repellency on wood, concrete, brick, stucco, pavers and tile when applied at the rate of 1 gallon per 200 to 400 square feet. Low porosity stones and surfaces will yield higher coverage.

Storage : For long-term storage a suitable biocide/fungicide, such as 0.1% by wt. of Proxel GXL, should be added unless isopropanol is used as a co-solvent.

Note: Cure time for maximum water protection is approximately 24 to 72 hours; however, repellency will start to develop almost immediately. Application rates, concentration of Flexipel PAF-30, and temperature/humidity can impact dry/cure times.

Starting Formula - Example:

Warm and mix 12% Flexipel PAF-30 with 3% Isopropanol and 3% Glycol Ether EB to approximately 50 Centigrade to form a clear solution. While still warm, add 82% deionized water with mixing to form a clear final product that is ready to apply.

Note: Warming step gives the best final product clarity; however, room temperature blends give very acceptable final products also.

TYPICAL PROPERTIES

Appearance	Beige to tan emulsion
Density @ 25 ⁰ C	1.12 +/- 0.02 g/mL (9.6 lbs/gal)
pH (as is)	8-10
Water Solubility	Dispersible
Boiling Point	Approx. 100 ⁰ C
Actives:	28%

PACKAGING/HANDLING

Flexipel PAF-30 is available in totes (Net Wt. 2205 lbs),
55 gallon drums (Net Wt. 441 lbs) and 5 gallon pails (Net Wt. 40 lbs).
DOT Classification is Non Regulated.