



Flexisperse 550A

Overview

- Provides Stain Blocking and Soil Resistance to Soft Surface Protectors and Cleaners
- Anionic Aqueous Polymer
- Extremely Efficient at Low Use Levels
- Readily Dilutes in Water
- Can Be Formulated with Oil and Water Repellents, such as Thetaguard AM-2040 to provide Enhanced Stain Resistance
- Formulates Readily with Cleaning Products to Enhance Stain and Soil Resistance of Cleaned Surfaces
- Freeze Thaw Stable in Concentrate and Dilution

Applications

- Carpet, Rug and Upholstery Cleaners: Spotters, Extraction, Low Moisture/Bonnet and Prespray
- Carpet, Rug and Upholstery Protectors

Technical Information

Flexisperse 550A provides exceptional stain and soil resistance to nylon and wool carpet fibers when applied as a component of cleaning or protection formulations for soft surfaces. The product can be used to formulate carpet & textile cleaning products for extraction, mist and scrub, aerosol, and conventional low moisture applications. Fluorochemical soil, stain, oil and water repellents, are easily co-applied. Use rate depends on cost parameters, level of performance desired, and substrate. Typical application rates for carpet fibers range from 0.5 to 3.0 percent by weight of solution for significant stain and soil resistance.

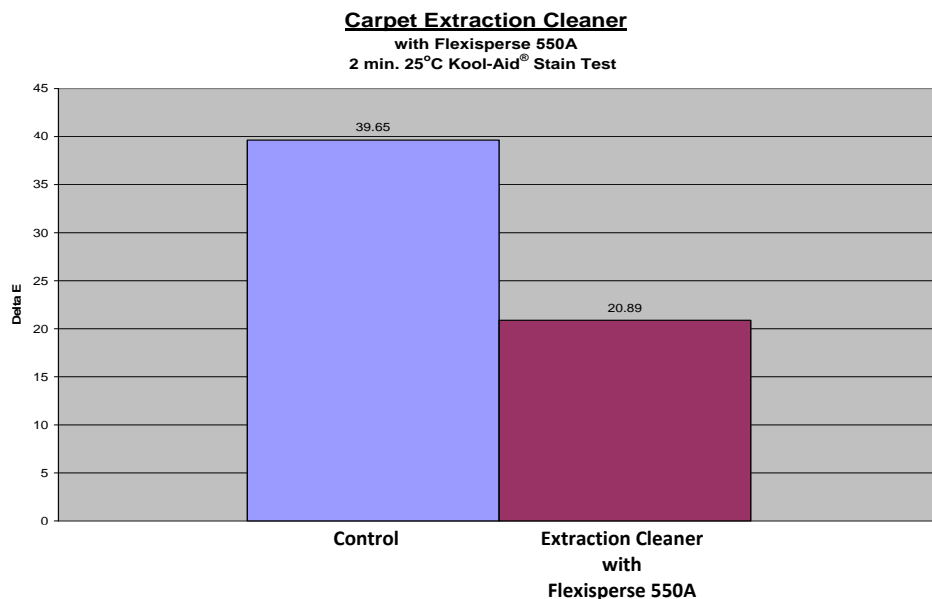
Formulary

Recommended usage rates vary from 0.5% to 15.0% Flexisperse 550A by weight of solution depending on the level of performance desired. Flexisperse 550A can be blended

with cleaning formulations and protectors to provide stain and soil resist features.

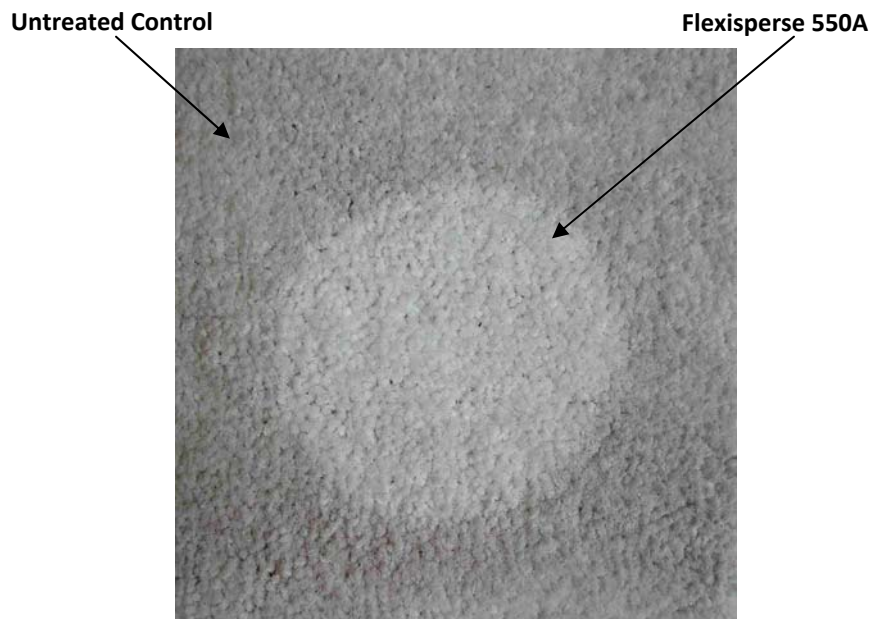
Performance Data

The chart below graphically illustrates the stain resist benefit realized when Flexisperse 550A is incorporated into carpet cleaning formulations. When compared to an untreated control, a carpet that was extracted using a Flexisperse 550A cleaning formula developed a remarkably high level of stain resistance when immersed for two minutes in an aqueous solution of Red Dye Number 40. Following a water rinse and drying, the level of staining was measured using a reflectance spectrophotometer and reported in units of Delta E relative to unstained carpet. A lower ΔE as demonstrated in the illustration below corresponds to less residual stain left in the carpet.



Demonstration

The photographs show the remarkable protection afforded textiles when treated with formulations containing Flexisperse 550A. In the demonstration above, a commercial grade nylon carpet sample was treated with a formulation containing Flexisperse 550A at 1.0% by weight of solution. The pH of the finished formulation was approximately 6.0. Once dry, the treated sample was tested for stain resistance relative to an untreated control. As the photograph demonstrates, the level of stain resistance, relative to control, is excellent. The photograph below demonstrates the high degree of dry soil resistance achieved on carpet using cleaning and protector formulas containing Flexisperse 550A. In the demonstration below, a cleaning formulation, containing Flexisperse 550A, was applied per ASTM D6540. The results of this accelerated soiling test show how Flexisperse 550A prevents soil from adhering to the fiber surface while the surrounding untreated carpet attracts soil at a normal rate.



Typical Properties

pH	4.0 to 5.0
Appearance	Clear to slightly hazy, colorless to pale yellow liquid
Density	1.13 +/- 0.02 g/ml
% Solids	30 - 34
Odor	Very mild

Packaging and Handling

Flexisperse 550A is available in:
275 gallon totes (Net Wt. 2400 lbs),
55 gallon drums (Net Wt. 480 lbs),
and 5 gallon pails (Net Wt. 40 lbs).

Refer to the Safety Data Sheet (SDS) for information on the safe use, handling, and disposal of this product. Shelf Life - 12 months.

DOT Classification is Non Regulated.

This information relates only to the specific material referred to herein and not to its use in combination with any other material or in any process, unless explicitly stated herein. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled; however, no warranty, guarantee or other representation is made as to its accuracy, reliability, or completeness, or regarding any liabilities arising from others' intellectual property rights. 20180510