

Product Data

SHIELD

Carpet Protector

Places of Use Include:

- Hotels/Motels
- Hospitals
- Office Buildings
- Municipalities
- Nursing Homes
- Schools
- Anywhere Stains are a Problem

SHIELD is a ready-to-use carpet protector. It provides exceptional oil, alcohol and water repellency, as well as excellent dry soil resistance and soil and stain release. SHIELD is specifically designed to protect carpet and upholstery from oil and water-based stains and soiling. It is compatible with most textile additives, including stain resistant and anti-static products, delivering outstanding water repellency in their presence.

✓ Protects and Extends the Life of Carpets and Upholstery

✓ Provides Exceptional Soil and Stain Resistance

✓ Excellent Oil, Water and Alcohol Repellency

✓ Ready-To-Use Formula



...setting performance
standards worldwide...

APPLICATIONS

SHIELD is a ready-to-use carpet protector. It repels water and oil, allowing more time for spill clean-up after accidents. SHIELD is specifically designed for use on carpet and upholstery and is compatible with most textile additives.

DIRECTIONS

Carpeting: SHIELD is a ready-to-use product. Apply it to carpeting at the rate of 1 gallon per 400-600 square feet.

Upholstery: Apply 1.5 ounces of product per square yard.

Cure time for maximum protection is approximately 24 hours, although SHIELD should dry to the touch within 1-2 hours.

TECHNICAL DATA

Appearance:	Milky viscous emulsion
pH:	8.0-10.0
Water Solubility:	Dispersible
Odor:	Mild, aromatic



...setting performance
standards worldwide...

C-7/PC-5515/1002

Performance Data For SHIELD Carpet Protectant

SHIELD was sprayed on a variety of fabrics. The exact application rate was approximately 2.88 fluid ounces/square yard of fabric, which was sufficient to evenly wet the fabrics. The fabrics were allowed to dry and cure overnight (24 hours).

Water/Alcohol Repellency Drop Test (DuPont Test Method)

Repellency was measured by applying 3 drops of test liquid and observing wetting of the surfaces. If the drops were repelled for longer than 10 seconds, the surface was judged to be repellent to that test liquid. Test liquids ranged from 2% Isopropyl Alcohol (1 rating) to 50% Isopropyl Alcohol (6 rating). The higher the concentration of Isopropyl Alcohol (higher number rating), the more repellent the surface.

The water repellency of the fabrics tested was excellent and ranged from a rating of 3 to 5 with the average of all fabrics equal to 3.0 out of 6.

Oil Repellency Drop Test (AATCC Test Method 118-1989)

Repellency was measured by applying 3 drops of test liquid and observing wetting of the surfaces. If the drops were repelled for longer than 30 seconds, the surface was judged to be repellent to that test liquid. Test liquids ranged from mineral oil (1 rating) to Decane (6 rating). The higher the number test liquid the more repellent the surface. Decane (6 rating) is more difficult to repel than Dodecane (5 rating), which is more difficult than Tetradecane (4 rating) and so forth.

The oil repellency of the fabrics tested was excellent and ranged from a rating of 3 to 6 with the average of all fabrics equal to 4.9 out of 6.

Dry Soil Resistance with Soil Release Demonstration (ASTM 6540 Method)

Equal to or better than competitive carpet protectors after soiling, vacuum and extraction.

Stain Release Test (AATCC 171 Hot Water Extraction Test Method – Carpet Yarn)

Stain release is rated from 1 to 5 on an AATCC gray scale with 1 equal to heavy severe stain and 5 equal to no visible stain.

5 stains were evaluated: coffee, mustard, red beverage, salad dressing and dirty motor oil. All stains were rated equal to 4 or 5 after extraction with the average of all stains equal to 4.8.



...setting performance
standards worldwide...