

# RESILIENT ARMOUR



## ASTM F925 Resistance to Chemicals for Resilient Flooring

Static Load: ASTM F925: Brief description of test procedure:

- Samples are conditioned for a minimum of 24 hours at 73.4°F ± 1.8°F and 50% relative humidity on a flat surface.

The following stains are used for this test:

1. Shell Aviation Gasoline.
2. Shell Jet A Jet Fuel.
3. Skydrol 500 Hydraulic Fluid.



After 1 hour evaluate each stained area on the tile for the following properties:

1. Surface dulling
2. Color change
3. Surface attack

Subjective rating scale for each property is as follows:

Scale: 0 = no change

Scale: 1 = slight change

Scale: 2 = moderate change

Scale: 3 = severe change

- If any tile has a rating more than 1 (slight change), re-evaluate the sample after 24 hours.
- If the tile is still rated as 1, apply two coats of a crosslinked acrylic polish and rate after 1 hour.

### Test Method: Resistance to Chemicals: ASTM F925

**Requirement: Rating of 1 or lower in Surface Dulling, Surface Attack or Staining is acceptable.**

Reagent Rating	Surface Dulling 0-3 (range)	Surface Attack 0-3 (range)	Staining 0-3 (range)
Shell Aviation Gasoline	0	0	0
Shell Jet A Jet Fuel	0	0	0
Skydrol 500 Hydraulic Fluid	1	0	0

### Conclusion from testing:

**Stain Resistance:** The submitted flooring showed a rating of 1 with Skydrol applied. This rating is acceptable for staining on vinyl tile. Shell Aviation Gasoline and Shell Jet A Jet Fuel showed no effect on the submitted Resilient Armour panel.

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