



# Solar Shield

## Acrylic Polyurethane Finishing Coat

### Description

**Solar Shield** is a high solids, VOC compliant, acrylic polyurethane finish coat. When cured, it is highlighted by:

- √ High gloss for aesthetic finish
- √ Excellent chemical resistance due to high crosslink density
- √ UV stabilized - will not chalk or discolor in direct sunlight

### Application Recommendations

**Solar Shield** White is mixed 1 part A to 4 parts B and does not require thinners. We recommend spray application over Shield Liner at a 2-3 dry mil thickness.

For further detail consult the **Solar Shield** Material Standard and seek a Shield Technical Representative for equipment and application training.

### Packaging, Storage & Shelf Life

**Solar Shield** is available in 5 gallon pails. It should be stored in sealed containers between 60°F and 90°F. Shelf life is 12 months in factory sealed containers.

### Safety

**Solar Shield** is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or fresh air hood. Spraying indoors requires forced ventilation. Be sure to read SDS in its entirety prior to use.

### Application Properties

Property	Value
Mix ratio (A:B)*	1:3 / 1:4
Pot life	40-45 mins
Cure to touch	1 hour
Cure to handle	4-6 hours
Recoat window	24 hours
Solids, by volume	58 %
Solids, by weight	68 %
VOCs	2.9 lbs/gal

\*Ratios are color dependent

### Physical Properties

Property	Value
Hardness, Shore H, D-3363	2 H
Sag resistance, D-4400	5-6 mils
Impact strength, D-2794	140 lbs
Flexibility (180° bend over 1/8 inch mandrel), D-522	Pass at 2 mils
Abrasion resistance, D-4060	110 mg loss
Gloss (60° meter), D-523	90+

\*\*Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

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