Sto Powercryl™ Finish

80470 Sto Powercryl™ Fine
80471 Sto Powercryl™ Medium
80472 Sto Powercryl™ Swirl
80473 Sto Powercryl™ Freeform

Technical Data

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Criteria</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexibility</td>
<td>ASTM D-522</td>
<td>4” mandrel bend</td>
<td>Pass</td>
</tr>
<tr>
<td>Water Absorption</td>
<td>ASTM D-580</td>
<td>Measure percentage</td>
<td>9.30-9.93%</td>
</tr>
<tr>
<td>Adhesion (psi)</td>
<td>ASTM C-297 Modified</td>
<td>28 days</td>
<td>&gt; 40 to unprimed stucco</td>
</tr>
<tr>
<td>Wash Off Resistance</td>
<td></td>
<td>No wash off @ 24 hours (40°F (4°C))</td>
<td>Pass</td>
</tr>
<tr>
<td>Drying Time @ 40°F (4°C)</td>
<td>Hours</td>
<td>6 Hours</td>
<td></td>
</tr>
<tr>
<td>Drying Time @ 70°F (21°C)</td>
<td>Hours</td>
<td>4 Hours</td>
<td></td>
</tr>
<tr>
<td>Freeze/Thaw Resistance</td>
<td>EIMA 101.01</td>
<td>60 cycles</td>
<td>Pass - no deleterious effects</td>
</tr>
<tr>
<td>Water Vapor Permeability (U.S. Perms)</td>
<td>ASTM E96 Method B</td>
<td>28 days</td>
<td>34</td>
</tr>
</tbody>
</table>

Features

1 Acrylic-Based
2 Ready-Mixed
3 Water-Based
4 Vapor Permeable

Benefits
Excellent adhesion, weather-resistant
Ready to use, no additives needed
Safe, non-toxic; cleans up with water
Allows substrate to breathe naturally

Surface Preparation

Concrete, masonry and stucco:
Surfaces must be free of all bond-inhibiting materials, including dirt, efflorescence, form oil and other foreign matter. Loose or damaged material must be removed by water blasting, sandblasting or mechanical wire brushing and repaired. Avoid application over irregular surfaces. Resurface, patch or level surfaces to required tolerance and smoothness with appropriate Sto leveling materials. Refer to ASTM D-4258 and ASTM D-4261 for complete details on methods of preparing cementitious substrates for coatings.

Priming:
Primers are recommended for best results - color uniformity, maximum finish coverage, and neutralizing high pH (highly alkaline) surfaces such as Portland cement stucco (including StoPowerwall® Stucco), StoQuik® Silver Systems, and prepared concrete and masonry surfaces. Apply primer by brush, roller, or with proper spray equipment and allow to dry before application of finish. Where pH is high (up to pH of 13), and to reduce time to application of finish, use Sto Hot Prime. Refer to product bulletins for detailed information on Sto primers.

Sto Powercryl™ finish is a ready-mixed textured wall coating used as a decorative and protective wall finish over prepared vertical, above grade concrete, masonry and plaster/stucco substrates.

Do not use with StoTherm® and StoTherm® ci Systems.

Coverage
Sto Powercryl™ Fine: 119-136 ft² (11.0-12.7 m²) per pail
Sto Powercryl™ Medium: 94-110 ft² (8.7-10.3 m²) per pail
Sto Powercryl™ Swirl: 102-119 ft² (9.4-11.0 m²) per pail
Sto Powercryl™ Freeform: 35-110 ft² (3.2-10.3 m²) per pail

Coverages may vary depending on application technique and surface conditions.

Packaging
5 gallon (19 L) pail.

Shelf Life
18 months, if properly stored and sealed.

Storage
Protect from extreme heat [90°F (32°C)], freezing, and direct sunlight.
Sto Powercryl™ Finish

Surface Preparation (cont.)

StoQuik Silver Claddings: apply one coat Sto Primer Sand to the dry base coat and allow to dry before application of finish. Refer to product bulletin for detailed information on Sto Primer Sand.

Interior Applications over Taped Gypsum Wallboard: apply one coat Sto Primer Sand to the dry base coat and allow to dry before application of finish. Refer to product bulletin for detailed information on Sto Primer Sand.

Mixing

Mix with a clean, rust-free electric drill and paddle. A small amount of clean water may be added to aid workability. Limit addition of water to amount needed to achieve the finish texture.

Application

Apply only to sound, clean, dry, properly prepared, frost-free surfaces.

Trowel

Apply Sto Powercryl Finish with a clean stainless steel trowel to a rough thickness slightly more than the largest aggregate size. Use the trowel to scrape the material down to a uniform thickness no greater than the largest aggregate size. Achieve final texture by floating in a figure eight motion with a plastic float. For Sto Powercryl Freeform, application thickness varies depending on the pattern or texture desired. Apply to a minimum 1/16” (1.6 mm), maximum 3/16 inch (4.6 mm) thickness. Texturing may be achieved by trowel, special roller or putty knife. Once applied, the working time is up to 20 minutes depending upon material, ambient temperatures and surface conditions.

Spray

Apply the Sto Powercryl Finish with a hand-held gravity-feed hopper type sprayer, texture spray pump machine, or other appropriate equipment such as the StoSilo system or Sto’s M-8 spray pump. Apply an even coat to ensure full coverage of the surface. (Spray application is not recommended for Sto Powercryl Swirl)

Limitations

- Sto Powercryl Finishes are not compatible for use in StoTherm and StoTherm ci Systems.
- Use Sto Powercryl Finish only when surface and ambient temperatures are above 40°F (4°C) during application and drying period.
- Sto Powercryl Finish should not be used on horizontal. Below grade or water immersed surfaces.

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Attention

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