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>REPORT</th>
<th>TEST METHOD</th>
<th>TEST CRITERIA</th>
<th>TEST RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexibility</td>
<td>ASTM D-522</td>
<td>4&quot; 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</td>
<td>Modified 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

<table>
<thead>
<tr>
<th>Benefits</th>
<th>Features</th>
</tr>
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<tr>
<td>Acrylic-Based</td>
<td>Excellent adhesion; weather-resistant</td>
</tr>
<tr>
<td>Ready-Mixed</td>
<td>Ready to use; no additives needed</td>
</tr>
<tr>
<td>Water-Based</td>
<td>Safe, non-toxic; cleans up with water</td>
</tr>
<tr>
<td>Vapor Permeable</td>
<td>Allows substrate to breathe naturally</td>
</tr>
</tbody>
</table>

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: Priming is 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 StoPrime Hot. Refer to product bulletins for detailed information on Sto primers.

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.

Do not use with StoTherm® and StoTherm® ci Systems.
Sto Powercryl™ Finish

Surface Preparation (cont.)

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

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

Curing/Drying

Sto Powercryl Finish dries within 24 hours under normal conditions [70°F (21°C), 50% RH]. Drying time varies with temperature/humidity and surface conditions.

Clean Up

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

Health And Safety

WARNING!
Causes eye and skin irritation.

Precautionary Statement
Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

FIRST AID MEASURES
Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion: If swallowed, do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Store locked up.

Spills
Collect with suitable absorbent material such as cotton rags.

Disposal
Dispose of in accordance with local, state or federal regulations.

Warning
KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR INDUSTRIAL USE ONLY. Consult the Safety Data Sheet (SDS) on www.stocorp.com for further health and safety information.

LIMITED WARRANTY
This product is subject to a written limited warranty which can be obtained free of charge from Sto Corp.
Refer to Sto Specifications for more complete information on proper use and handling of this product.