BEAKGUARD®
Woodpecker Deterrent
Elastomeric Coating

Description:

“BeakGuard” is a new product concept incorporating a blend of ingredients that offer safe and effective deterrent protection from woodpeckers. These compounds immediately communicate a warning signal to the birds, prompting them to find a more desirable location. The success rate exceeds 70% in preventing further damage. In fact, humans and animals are very sensitive to these components. For example - taste testing has determined that people can detect our ingredients in water at 50 parts per billion.

BeakGuard is a Breathable Elastomeric Acrylic Finish formulated to apply like standard latex paint. Performance on the other hand far exceeds your typical latex product. BeakGuard offers outstanding coating durability, extended service life, provides maximum dirt pick-up resistance and weatherability in a vapor permeable, flexible membrane with exceptional color retention. Although specifically formulated for EIFS and existing acrylic finishes, BeakGuard is easily applied to virtually any exterior surface including wood, fiber-cement, stucco, aluminum or vinyl.

Color
20 standard colors, see color chart for specifics. Special colors available upon request, virtually no limit to selection; see color chart for special color formulation policy.

Container
48 pounds net weight / 5-gallon pail
9 pound / 1 gallon pail

Environmentally Safe:

BeakGuard will not harm woodpeckers or any other bird species. The ingredients in BeakGuard are found in many consumer products today – even nail biting and thumb sucking deterrents for children incorporate this technology. The National Safety Council and American Medical Association recommend similar agents be used, along with other safety measures, in products defined as mild to moderately toxic.

Use
BeakGuard is a decorative “Deterrent” coating reducing the potential of Woodpecker damage for both new and existing buildings. Also used to change the color of existing structures when maximum crack coverage and bridging capabilities are required. BeakGuard provides a durable protection barrier against the environment for most any cladding material.

Advantages
Environmentally Friendly
Will NOT Harm Wildlife
Applies like Standard Latex Paint
Plasticizer Free - Mildew Resistant
Dirt Pickup Resistant – Will not Chalk
Flexible in any Environment
Bridges Hairline Cracks

Adhesion
Excellent adhesion to properly prepared surfaces, EIFS, Acrylic Finishes, Existing Latex Paint, Wood & Fiber-Cement Sidings, Vinyl and all Stuc-O-Flex Finish Products.
Coverage
Approximately 800 square feet per 5 gallon container, depending on substrate & application method. Apply 2 coats of BeakGuard where maximum crack resistance and substrate protection is required.

Surface Preparation
Substrate must be clean, dry, and free from all loose or foreign materials prior to application.

Application
BeakGuard may be applied by brush, roller, paint pad or appropriate spray equipment. Thinning of the product is not recommended. BeakGuard should be screened prior to spray application. Back-rolling is recommended when applying over acrylic finishes or other textured substrates. BeakGuard should be applied at a minimum thickness of 7 - 10 wet mils per coat. Avoid application of different batches side by side (always box pails from different batch numbers). Check color for proper match prior to application. Ambient temperatures shall be 40°F or greater at time of installation, and will remain so for a minimum 24 hours or protection and heat shall be supplemented to ensure proper drying.

Typical dry time is 24 hours, depending on climate. Drying time can be greatly affected by low temperatures and/or high humidity. Do not allow product to freeze or allow exposure to rain while drying. Allow additional time during humid and/or cold temperatures.

Note: BeakGuard has over 305% elongation characteristics. The thicker the material is applied, the greater the ability to bridge cracks in the existing substrate.

Physical properties

<table>
<thead>
<tr>
<th>TEST</th>
<th>METHOD</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELONGATION % (FINISH)</td>
<td></td>
<td>305 PERCENT</td>
</tr>
<tr>
<td>WATER VAPOR TRANSMISSION</td>
<td>ASTM-E96</td>
<td>10 GRAINS PER HOUR / SQ. FT. (AVERAGE)</td>
</tr>
<tr>
<td>SALT SPRAY RESISTANCE</td>
<td>B-117</td>
<td>300 HOURS NO DELETERIOUS EFFECTS</td>
</tr>
<tr>
<td>ACCELERATED WEATHERING</td>
<td>G-23-81</td>
<td>2000 HOURS NO DELETERIOUS EFFECTS</td>
</tr>
<tr>
<td>ABSORPTION FREEZE THAW</td>
<td>60 CYCLES</td>
<td>NO CRACKING, CHECKING</td>
</tr>
<tr>
<td>TENSILE BOND</td>
<td>ASTM C-297</td>
<td>127.9 PSF</td>
</tr>
<tr>
<td>WATER PENETRATION TEST</td>
<td>ASTM-E-331</td>
<td>NO WATER PENETRATION OCCURRED ON SUBSTRATE</td>
</tr>
<tr>
<td>WATER RESISTANCE TEST</td>
<td>ASTM D-2247</td>
<td>NO CRACKING, BLISTERING, PEELING OR COMPROMISE</td>
</tr>
<tr>
<td>MILDEW / FUNGUS RESISTANCE</td>
<td>810 B</td>
<td>NO MOLD OR MILDEW GROWTH DURING TEST</td>
</tr>
<tr>
<td>WIND DRIVEN RAIN</td>
<td></td>
<td>NO DELAMINATION, NO WATER INTRUSION</td>
</tr>
<tr>
<td>FIRE TESTING TUNNEL TEST</td>
<td>ASTM E-84</td>
<td>FLAME SPREAD &lt; 25 SMOKE DEVELOPED &lt; 450 CLASS &quot;A&quot; FIRE RATED</td>
</tr>
</tbody>
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Storage
Protect from freezing. Store in a cool, dry area out of direct sunlight in a tightly sealed container. Recommended storage temperature between 40-90°F.

Clean-up
Water soluble when wet. Clean tools and equipment with water immediately after use. Dried material is very difficult to remove. See BeakGuard Handling Instruction!
Proper Handling & Precautions

Educating new BeakGuard users to the EXTREMELY unpleasant taste!

1. Ingredients in BeakGuard® have an incredibly repulsive taste but also have a 50-year safety record in consumer products around the world.
2. Chocolate is the only thing we know that helps reduces the horrible taste.
3. BeakGuard is Safe: The ingredients are even used in children’s products to stop thumb-sucking and nail-biting, in toys and cosmetics to stop ingestion. Even State and Federal regulations as outlined below:
   a. FDA- use as ethanol denaturant for cosmetics in US and 40+ other countries.
   c. EPA- approved additive used to prevent pesticide ingestions.
   d. OSHA – required in respirator fit testing for nurses, firemen, first responders.

To Reduce Potential Mouth Exposure:
Follow these Recommendations Below:

1. Extremely Unpleasant if gets inside Mouth!!!

   Chocolate will help lessen the taste.
2. Use disposable gloves.
3. Do not touch anything else before clean-up.
4. Handle very carefully to avoid unpleasant taste.
5. Clean up by washing hands with soap & water.
6. Rinse hands with 3% Hydrogen Peroxide, which destroys BeakGuard.
7. Use 3% Hydrogen Peroxide to wipe down exterior of containers, any contact surfaces or items that may have come in contact with BeakGuard

See SDS for Additional Precautions

Limitations
1. Ambient and surface temperatures must be above 40°F during application and drying period.
2. BeakGuard should never be used on horizontal surfaces (exceptions – ceilings, soffits, etc.).
3. Product performance is directly related to substrate integrity.
4. BeakGuard is a vertical wall coating. Small areas can be sloped; those surfaces shall be minimum 4 in 12 pitch.
5. Never cover BeakGuard with solvent based materials.

Shelf Life
One year, if protected from direct sunlight and freezing temperatures.

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