350-SERIES
Waterborne Breathable Coatings for Masonry & Concrete

ELASTODECK 350  ROOF COATING
ELASTOWALL 351  BREATHABLE MASONRY COATING
ELASTO-MASTIC 352  CRACK-BRIDGING MASTIC
ELASTO-TONE 353  HIGH PERM COATING
ELASTO-FILL 354  FLEXIBLE FILLER
350-SERIES

DESCRIPTION:

350-Series products are highly permeable, internally plasticized, low modulus waterborne acrylic coatings and sealants with exceptional water and weather resistance. They can accomplish multiple objectives in one process:

- Provide highly permeable decorative finishes
- Protect porous surfaces from water
- Bridge and seal small working cracks
- Fill and refinish bare or many previously-coated surfaces

Their combination of high permeability, outstanding exterior durability, and permanent low temperature flexibility make the 350-Series the coatings of choice for the most demanding applications. Advanced waterborne formulation represents the state of the art in handling convenience, safety, low odor and low VOC. The result is a high-performance coating system that is both user and environmentally friendly.

ELASTODECK 350 is designed for use on properly pitched or drained horizontal surfaces which may intermittently accumulate puddles of ponded water. It may be applied over a wide range of substrates, including concrete, masonry, plywood, polystyrene foam, metal, and many types of existing roofing materials.

ELASTOWALL 351 is designed to protect and decorate above-grade surfaces, including poured-in-place concrete, concrete block, precast concrete panels, stone, stucco, exterior insulation systems, and brick and terra cotta masonry, including walls exhibiting small working cracks. It has been used extensively for treatment of Historic Register and Landmark buildings, and features higher vapor permeability and elongation than ELASTODECK 350, which offers better ponded water resistance.

ELASTO MASTIC 352 is a knife-grade, higher solids formulation designed for pre-treatment of small cracks prior to general coating application.

ELASTO-TONE 353 is a color finish system designed for lower film build and higher vapor permeability. It is used for applications which are primarily decorative, and for cosmetic renewal or re-coating of aged ELASTOWALL applications.

ELASTO-FILL 354 is a higher solids knife grade filler used for filling of minor surface defects prior to ELASTOWALL 351 application. Depressions and defects are simply “spackled”, and then ELASTOWALL 351 coating is applied after drying.

FEATURES:

- **Appearance**: 350-Series coatings are available in a wide range of Standard colors, including our 880-color Professional Color Series, available for in-house tinting at many Edison Coatings Dealer locations. Custom color matching is also available. In addition, 350 & 351 are available in textured versions, which simulate natural stone and stucco finishes. Products are non-chalking, non-yellowing, and resistant to dirt pick-up.

- **Low Stress**: High elongation allows the coatings to expand and contract with substrate temperature and volume changes, relieving stresses, even on surfaces with small working cracks. Permanent flexibility, and low temperature flexibility (-30°F/-34°C) are assured through plasticizer-free formulation. Products also resist impact and vibration without fatigue or rupturing.

- **Breathing**: High moisture vapor permeability allows moisture to escape through the film, preventing coating failure and substrate damage which may otherwise result from moisture entrapment.

- **Safety**: Products are non-flammable, essentially non-toxic and free of solvent odors. Eye contact and prolonged skin contact may produce some irritation, and should therefore be avoided.

- **Environmental**: VOC<250 g/l, complies with EPA regulations for architectural coatings.
## GENERAL PROPERTIES:

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<tr>
<th>PROPERTY</th>
<th>COMMENT</th>
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<tbody>
<tr>
<td>Accelerated Weathering: 1000 hrs., (ASTM G-53)</td>
<td>No yellowing, fading, swelling, blistering, chalking or cracking</td>
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<tr>
<td>Compatible Substrates</td>
<td>Concrete, Concrete Block, Stone, Brick, Terra Cotta and Terra Cotta Glaze, Stucco, Mortar, Latex-modified Cement-based Coatings, Patching Compounds &amp; Overlays <em>(Expo 43, Custom System 45, System 44, Deck-Top 47, Cem-Plast 54)</em>, Many Previously Coated Surfaces (Pre-testing Required), Wood, Polyurethane Caulk and Foam, EIFS systems, aged Built-Up-Roofing and Asphalt Roof Shingles, Galvanized Metal</td>
</tr>
<tr>
<td>Compatible Primers</td>
<td>Primer 342: Chalky, Porous Substrates; Aquaprime 211Z: Metals</td>
</tr>
<tr>
<td>Minimum Application Temperature</td>
<td>40°F/4°C and Rising</td>
</tr>
<tr>
<td>Minimum Dry Time Before Freezing</td>
<td>Not Critical; Can withstand minimum 3 freeze-thaw cycles w/o damage</td>
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<tr>
<td>Minimum Dry Time Before Rain</td>
<td>Must through-dry; Dry times vary with film thickness and cure conditions; May require 24 hours or longer in some cases</td>
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<tr>
<td>Maximum Humidity During Application</td>
<td>95% RH</td>
</tr>
<tr>
<td>Minimum/Maximum Service Temperatures</td>
<td>From -35°F/-37°C (min.) to 125°F/50°C (max.)</td>
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### PRIMERS:

Primers are available for special substrates and conditions. Consult your Edison Coatings Technical Representative.

### COVERAGE:

Typical indicated coverages per coat are for “average” surfaces. Rough surfaces and textured formulations yield lower coverage rates.

### APPLICATION:

1. **Surface Preparation:** *350-Series* products are applied to clean, sound substrates free of grease, oil, chalk, dirt, efflorescence, and unsound or incompatible previous coatings. Surfaces may be damp or dry, but do not apply to saturated surfaces or where moisture has accumulated. Repair unsound substrates prior to application. For repairs to concrete or masonry surfaces, use *SYSTEM 44* and *Custom SYSTEM 45*, respectively. Allow repairs to cure 1-7 days before coating, depending on patch depth and curing conditions. Some applications, particularly on highly porous or chalky surfaces, require use of #342 primer. Consult your Edison Coatings technical representative.

2. **Crack Detailing:** Cracks less than 1/16” wide can be bridged by spackling with *ELASTO-MASTIC 352*. Cracks up to 1/8” wide should

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<th>350</th>
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<tbody>
<tr>
<td>% SOLIDS (WT.), APPROX.</td>
<td>72%</td>
<td>69%</td>
<td>80%</td>
<td>55%</td>
<td>85%</td>
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<tr>
<td>COVERAGE RATE (SQ.FT./GAL./COAT)</td>
<td>80-100</td>
<td>100-125</td>
<td>25-75</td>
<td>200-250</td>
<td>10-50</td>
</tr>
<tr>
<td>% ELONGATION, 70°F/21°C</td>
<td>250%</td>
<td>300%</td>
<td>300%</td>
<td>240%</td>
<td>125%</td>
</tr>
<tr>
<td>% ELONGATION, 32°F/0°C</td>
<td>180%</td>
<td>145%</td>
<td>145%</td>
<td>125%</td>
<td>25%</td>
</tr>
<tr>
<td>% ELONGATION, AFTER 3500 HRS. WEATHEROMETER</td>
<td>170%</td>
<td>125%</td>
<td>125%</td>
<td>110%</td>
<td>15%</td>
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<tr>
<td>TENSILE STRENGTH, PSI, 70°F/21°C</td>
<td>&gt;200</td>
<td>&gt;200</td>
<td>&gt;200</td>
<td>&gt;200</td>
<td>&gt;200</td>
</tr>
<tr>
<td>TENSILE STRENGTH, PSI, 32°F/0°C</td>
<td>395</td>
<td>335</td>
<td>335</td>
<td>335</td>
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</tr>
<tr>
<td>PERMEANCE, 20 MILS DFT, PERMS</td>
<td>4-8</td>
<td>30-41</td>
<td>12-25</td>
<td>40-50</td>
<td>10-20</td>
</tr>
<tr>
<td>ADHESION, PLI, DRY CONCRETE</td>
<td>5.6</td>
<td>9.0</td>
<td>9.0</td>
<td>9.0</td>
<td>7.0</td>
</tr>
<tr>
<td>ADHESION, PLI, WET CONCRETE</td>
<td>3.5</td>
<td>2.2</td>
<td>2.2</td>
<td>2.2</td>
<td>2.0</td>
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be grooved out to a width of 1/4" and should be filled with
ELASTO-FILL 354 or suitable polyurethane sealant. Cracks wider
than 1/8" should be cut out in accordance with proper expansion joint
detailing and geometry, and should be sealed with polyurethane seal-
ants. Sealants should be cured a minimum of 24 hours before coating.

3. Application: Application procedure will directly affect finished ap-
pearance. Spraying, rolling and brushing are acceptable application
methods, within this limitation. Products are supplied ready to use and
require no thinning, but up to 4 ounces per gallon of clean water may
be added, if required, to facilitate spreading. Monitor film build closely
when water is added for thinning.

4. Re-coat time is affected by drying conditions and substrate porosity.
Previous coat must be through-dry, firm and tough before applying the
next coat. Typical through-dry times may range from several hours to
24 hours or more.

5. Clean runs, spills and equipment with warm water and soap imme-
diately. Coatings which have been allowed to "set" will resist water
cleanup. If significant interruptions in spray application will occur, im-
merse gun or tip in clean water during interruption.

ELASTODECK 350 should be applied in two to three coats, at 80-100
sq. ft./gallon per coat to a total dry film thickness of 20 - 30 mils. Allow
thorough drying, typically overnight, between coats.

ELASTOWALL 351 can be applied in 1-3 coats, depending on the ex-
tent of waterproofing and crack bridging performance required (Dry
film thickness= 8 - 10 mils/coat. Wet film thickness= 15 - 18 mils per
coat.) Typically, two coats are applied. Higher film build produces
better crack bridging and waterproofing performance.

ELASTO-MASTIC 352 is knife-applied to fill surface cracks before
coating.

ELASTO-TONE 353 is applied in one or two coats at 200 sq. ft./gal. to
achieve color uniformity and continuous, water-resistant films. (8 wet
mils per coat are applied to achieve 4 - 6 dry mils per coat.)

ELASTO-FILL 354 is knife-applied to fill surface voids and defects,
and to detail larger cracks before coating. Refer to product data sheet
for more information.

LIMITATIONS:

350-Series coatings are suitable for exterior or interior application.
350-Series products are not designed for continuous water submer-
sion, below-grade installation against hydrostatic pressure, or against
high constant humidity differentials where moisture originates from be-
hind the coating (negative side waterproofing).

COLOR SELECTION:

ELASTO-WALL 351 & ELASTO-TONE 353 are available in a wide
range of standard and custom colors. Refer to Edison Color fan deck,
featuring 880 colors available for in-house tinting at many Edison Coat-
ings Dealer locations. Custom color-matching is also available.

ELASTODECK 350 is available in White, Medium Grey, or a variety of
custom colors.

ELASTO-MASTIC 352 is available in a “neutral” off-white color only.

FOR COMMERCIAL AND INDUSTRIAL USE.

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