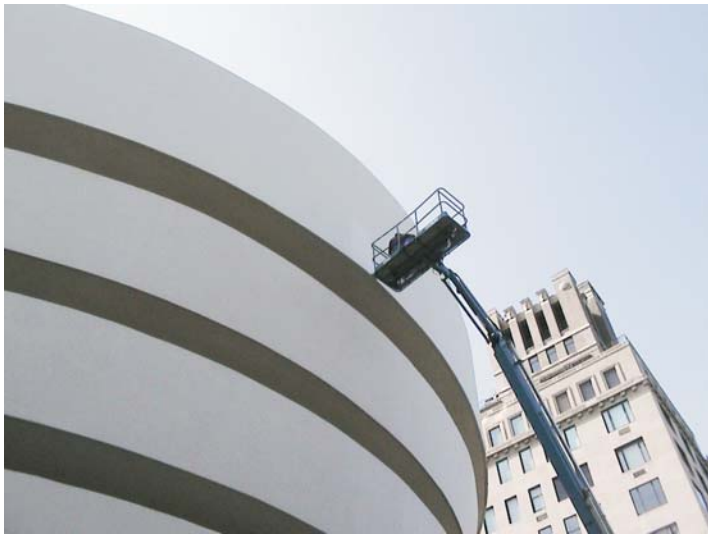




350-SERIES

Waterborne Breathable Coatings for Masonry & Concrete



ELASTODECK 350

ELASTOWALL 351

ELASTO-MASTIC 352

ELASTO-TONE 353

ELASTO-FILL 354

ROOF COATING

**BREATHABLE
MASONRY COATING**

**CRACK-BRIDGING
MASTIC**

HIGH PERM COATING

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



PHOTO: Ten years after being coated with Elastowall 351, limestone elements on this historic school retain a crisp, natural appearance.

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.



PHOTO: Restoration of this historic terra cotta boathouse included use of Elastowall 351 to match the original terra cotta glaze.

GENERAL PROPERTIES:

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

PHOTO:

Terra Cotta repairs on this historic Savannah theater theater incorporated Elastowall 351, custom color-matched to the original matte-finish glaze.



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

PROPERTY	350	351	352	353	354
% SOLIDS (WT.), APPROX.	72%	69%	80%	55%	85%
COVERAGE RATE (SQ.FT./GAL./COAT)	80-100	100-125	25-75	200-250	10-50
% ELONGATION, 70°F/21°C	250%	300%	300%	240%	125%
% ELONGATION, 32°F/0°C	180%	145%	145%	125%	25%
% ELONGATION, AFTER 3500 HRS. WEATHEROMETER	170%	125%	125%	110%	15%
TENSILE STRENGTH, PSI, 70°F/21°C	>200	>200	>200	>200	>200
TENSILE STRENGTH, PSI, 32°F/0°C	395	335	335	335	335
PERMEANCE, 20 MILS DFT, PERMS	4-8	30-41	12-25	40-50	10-20
ADHESION, PLI, DRY CONCRETE	5.6	9.0	9.0	9.0	7.0
ADHESION, PLI, WET CONCRETE	3.5	2.2	2.2	2.2	2.0

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 sealants. Sealants should be cured a minimum of 24 hours before coating.

3. **Application:** Application procedure will directly affect finished appearance. 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 immediately. Coatings which have been allowed to "set" will resist water cleanup. If significant interruptions in spray application will occur, immerse 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 extent 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 submersion, below-grade installation against hydrostatic pressure, or against high constant humidity differentials where moisture originates from behind the coating (negative side waterproofing).

*PHOTO: After patching and stone replacement, **ELASTO-TONE 353**, color-matched to the original stone color, was applied to the entire facade of this New York City Landmark building. **ELASTO-TONE** provided a highly permeable aesthetic finish which visually blended repairs, replacement stone and original fabric.*



ELASTO-MASTIC 352 and **ELASTO-FILL 354** are not replacements for proper expansion joint sealants. Joints, windows, vents and other penetrations should be caulked with suitable polyurethane sealant.

ELASTODECK 350 is designed for light to moderate foot traffic. Use on vehicular traffic surfaces is not recommended.

STORAGE & HANDLING:

KEEP FROM FREEZING. Store in tightly closed containers. Use with adequate ventilation. Avoid eye or prolonged skin contact. Wash with soap and water after use and before eating, drinking or smoking. Avoid breathing spray mists. Use mist filter when spraying. In enclosed areas, use supplied air respirator. In case of eye contact flush with clean water for 15 minutes. If irritation persists, see physician. Do not ingest. Observe all safety and handling guidelines as detailed in the Material Safety Data Sheets supplied with these products. **KEEP OUT OF REACH OF CHILDREN.**

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 Coatings 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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Rev. 11/2006

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