

FLEXI-TOP 550, 555

INDUSTRIAL-STRENGTH EPOXY PATCHING & TOPPING COMPOUNDS

DESCRIPTION:

FLEXI-TOP 550 & 555 are heavy-duty, 100% solids, odorless epoxy mortars for patching and topping of commercial, institutional and industrial floors.

FLEXI-TOP 550 is a self-leveling surfacing system providing heavy-duty protection at 1/8" to 1/4" thickness or more. Blended with select aggregates, it forms a fluid mixture which easily spreads with a V-notched trowel or squeegee. Upon curing, it forms a dense, non-porous flooring that resists chemical and water penetration, dirt pick-up, and heavy traffic. It may be sealed with a number of protective topcoats for improved skid resistance, gloss and color retention.

FLEXI-TOP 555 is a versatile trowel-applied mortar used for patching or toppings of 1/4" or more. Blended with specially graded aggregates, it forms a dry, trowelable mortar that can be applied by hand or power trowel. This mortar is then grouted and sealed with 100% solids resins to eliminate porosity and produce a dense, non-porous, slip-resistant finish.

APPLICATION:

1. Conditions & Surface Preparation:

a. Substrates must be above 55 degrees F, dry, and free from hydrostatic pressure, moisture vapor transmission, paint, curing compounds, oil, dirt or other materials which could hinder adhesion. For colder temperature (39 degrees F - 55 degrees F) a similar system with better low-temperature curing properties can be recommended by your Edison Coatings Technical Representative.

TECHNICAL DATA		
Property	550	555
Composition	Modified Epoxy w/fine aggregates	Modified Epoxy with graded aggregates
Resin/Hardener Ratio (By Vol.)	3:1	3:1
Filler/Binder Ratio (Range)	2:1 to 3:1	6:1 to 10:1
Pot Life*	20 - 25 min.	40 - 60 min.
Cure Time to Light Traffic*	8 - 16 hours	12 - 24 hours
Flexural Strength	5,900 psi	Approx. 9,000 psi
Tensile Strength	2,700 psi	Approx. 2,000 psi
Solids Content	100%	100%
Compressive Strength:	Approx. 9000 psi	Approx. 11,500 psi
V.O.C. Content	0	0

*Working and cure times are affected by temperature and mass. For reduced cure time, see instructions on addition of **FLEXI-SPEED 599 Accelerator**.

c. **Wood surfaces** must be clean, porous and free from wax, varnish or other materials.

d. **Metals** must be clean, rough and free of oil, coatings, rust and scale. Abrasive blasting is recommended prior to topping.

2. Application:

a. Mix and apply primer 30 minutes to 8 hours before topping. Primer may be neat resin/hardener or special

primer as recommended by your Edison Coatings Technical Representative.

b. Mix resin and hardener at specified ratio for 3 minutes. Add aggregate and mix until uniform in consistency. Spread material to desired thickness.

c. Finish-trowel as required. Minor troweling inconsistencies may result from normal installation procedures, but will not affect system performance. Experienced mechanics are required to achieve best results.

d. Cure overnight, or add ***FLEXI-SPEED 599 Accelerator*** to accelerate curing to 4-6 hours. Level of addition: 8-24 ozs. per 4-gal. unit. ***FLEXI-SPEED 599*** may be pre-added to hardener component without compromising stability. Do not add to uncatalyzed resin.

e. ***FLEXI-TOP 555*** is then flood-coated with neat resin/hardener mixture, squeegee-applied to eliminate porosity.

f. For greater skid, impact and wear resistance, selected aggregate (quartz, silica, aluminum oxide, etc.) may be broadcast into the wet slurry on ***550*** toppings, or into the resin flood coat on ***555*** toppings. Once cured, the resins will bond to this aggregate and make it an integral part of the system. To lock in this aggregate, a second application of resin/hardener is applied over the dry aggregate.

g. For greater gloss and color retention, chemical resistance, and easier cleaning, a seal coat may be selected for application over the topping. Consult your Edison Coatings Technical Representative.

a. Conditions affect handling characteristics of this system. Cool temperatures slow reaction and increase epoxy viscosity, making application more difficult. Store materials for 24 hours before use at 70-75 degrees F, if possible. Warm temperatures accelerate cure and reduce pot life. Blend only as much material as will be used prior to gelling time at your particular working temperature.

b. Observe all warnings, procedures and guidelines contained in Material Safety Data Sheets for these products.

c. Heavy traffic, over time, may cause visible wear patterns, requiring a maintenance application of finish coat. Consult your Edison Coatings Technical Representative regarding refinishing procedures.

**FOR COMMERCIAL AND INDUSTRIAL
USE ONLY.**



3 Northwest Drive, Plainville, CT 06062

Phone: (860) 747-2220 or (800) 697-8055

E-mail: edison@edisoncoatings.com

Fax: (860) 747-2280 or (800) 697-8044

Internet: www.edisoncoatings.com

Edison Coatings products are for commercial use only. In case of defect in manufacture or packaging, materials will be replaced at no cost. No other warranty, except for such replacement, express or implied, is in effect. Any implied warranty of merchantability or fitness for a particular purpose is expressly disclaimed. Although information and advice supplied in this publication are believed to be reliable, they do not represent performance specifications and no obligation or liability is assumed for advice given or results obtained. Product formulations and performance characteristics are subject to change without notice. Other conditions and limitations may be imposed at time of sale.