



## ECO-FAST 601 & 601 T

### 100% SOLIDS BASE COAT and DETAIL COAT

#### DESCRIPTION

ECO-FAST 601 and ECO-FAST 601T are 2-component, 100% solids, low VOC, very low odor, polyurethane membranes available in medium and high viscosity. They cure using chemical cross-linking to form a dynamically flexible waterproofing membrane for excellent crack-bridging capability.

#### TYPICAL USE

ECO-FAST 601 and ECO-FAST 601T have good chemical resistance and outstanding adhesion properties making them the ideal crack-bridging base and waterproofing membrane for deck coating systems. ECO-FAST 601T is a thickened grade for detailing and vertical applications. Since they are solvent free products, ECO-FAST 601 and ECO-FAST 601T can be used in interior spaces and near occupied areas without noxious odors or flammability hazards.

#### ADVANTAGES

- V.O.C. compliant
- No flammability concern
- Solvent-free
- Quick cure time
- Bridges dynamically moving cracks
- Cures quickly - capable of being overcoated in under 4 hours

#### LIMITATIONS

- Minimum application temperature 40° F and rising.
- Do not apply over damp or wet substrates.
- Do not apply to surfaces with active moisture vapor transmission.
- New concrete must cure 28 days prior to application.

#### PACKAGING

5 gallon units

#### WARNINGS AND HAZARDS

**Caution-Irritant:** Avoid skin and eye contact. Safety goggles and chemical resistant gloves are recommended. Use with adequate ventilation and avoid prolonged inhaling of vapors. Use NIOSH/MSA approved organic respirator if vapors cannot be maintained below TLV. Wash contaminated clothing prior to reuse.

**First Aid:** In case of skin contact, wash thoroughly with soap and water. For eye contact, immediately flush with plenty of water for at least 15 minutes and contact a physician. For respiratory problems, remove individual to fresh air.

#### TYPICAL PROPERTIES

PROPERTY	TEST METHOD	RESULTS
Solids Content	—	100 %
Elongation	(ASTM D-412)	750%
Tensile Strength	(ASTM D-412)	1,400 psi
Hardness	(ASTM D-2240)	75 Shore A
Pot Life*		25 minutes
Cure Time*		
- Before Overcoat		3 to 4 hours
- Final Cure		24 hours
Tear Resistance	(ASTM D-1004)	160 pli
Adhesion to Concrete	(ASTM D-903)	30 pli
* at 68° F, 50% RH		

#### INSTALLATION

(Consult Installation Guide Prior to Application)

**Surface Preparation:** Surfaces must be clean, sound, dry, and free of oils, curing compounds and other bond inhibiting contaminants. Concrete surfaces should be cleaned and profiled by mechanical methods such as shot blasting, sandblasting or hydroblasting to produce a clean and textured surface with a surface profile of CSP 2 to 5. When hydroblasting, allow at least 24 hours for substrate to dry completely.

**Application temperature** must be 40° F minimum and rising. Do not apply over damp or wet substrates. New concrete must cure 28 days prior to application.

**Priming:** Mix primer according to the data sheet. Apply at 300 to 400 square feet per gallon to achieve a wet film thickness of 4 to 6 mils. Always seed primer with oven-dried quartz aggregate (60 to 100 mesh) at a rate of 5 lbs. per 100 sq. ft. Allow to cure for 1 to 2 hours, until material does not transfer when touched, before proceeding with coating application.

**Mixing:** Pre-mix the color component. Then empty contents of component "A" into component "B." Mixing is accomplished by using a jiffy paddle in a low speed drill (400 to 600 rpm) so as not to incorporate excessive air into the product. Mix the two components for 2 minutes, scrape down the sides of the pail, and mix additionally for 1 minute.

**Detail Coating -** Prior to applying the ECO-FAST 601 base coat/waterproofing membrane apply a detail coat of ECO-FAST 601T at 30 wet mils over all shrinkage cracks less than 1/16 in. Cracks wider than 1/16 in. and all cracks with the potential for movement should be treated as joints. Route out cracks to 1/4 in. and fill with a urethane joint sealant.

Application: After the detail coat has cured for 3 to 4 hours, apply the ECO-FAST 601 base coat at a rate of 64 square feet per gallon or as required to obtain a 25 mil wet film thickness using a notched trowel or squeegee. Backroll for uniformity. **Never add sand or aggregate to this layer.**

Allow to cure 3 to 24 hours before applying next coat. If not coated within 48 hours, prime with ECO-FAST 600 primer before proceeding.

Once basecoat has cured, it can be topped with a variety of other Carlisle coatings and binders to form a waterproof deck coating system.

Clean-Up: Uncured Material - remove using a cloth dampened with xylene. Cured Material - remove mechanically. Spillage - ventilate area and confine spill. Collect with an absorbent material and dispose of according to current applicable local, state, and federal regulations.

## STORAGE

Keep from freezing. Cold product may be difficult to mix and apply. For best results, condition at 50 to 70° F before use.

## LIMITED WARRANTY

CARLISLE COATINGS & WATERPROOFING INCORPORATED (CARLISLE) warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any CARLISLE materials prove to contain manufacturing defects that substantially effect their performance, CARLISLE will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by CARLISLE with respect to its materials. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. CARLISLE specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of CARLISLE'S liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the CARLISLE material in question.