



ACRYLASTIC®

490TC







PRODUCT DATA

PRODUCT DESCRIPTION













ACRYLASTIC 490TC is a textured version of ACRYLASTIC 490. It was developed in 1983 to be a high-build, decorative, elastic, waterborne, textured wall coating that provides long-term protection and beauty over a variety of interior and exterior surfaces. Acrylastic 490TC is also available in a Fire Rated version (490TC-FR) and a Marine use version (490TC-MR).

PRODUCT USES












ACRYLASTIC 490TC is designed to be applied over properly primed interior and exterior concrete, masonry, stucco, most wood and metal substrates. It is especially recommended for use over:

-  Cracked, uneven or unsightly surfaces
-  Surfaces where water penetration and degradation pose problems
-  As an encapsulator coating over asbestos and lead
-  Areas where long-term surface protection is desired and continuous repainting costs are prohibitive
-  Buildings that require a Class A fire rated wall coating (490TC-FR only)
-  Buildings in a harsh marine environment that require superior alkali resistance (490TC-MR only)

PRODUCT ADVANTAGES









-  Superior protection providing long-term value
-  Superior flexibility and elongation
 -  Greater protection against new cracks forming
-  Extremely tough, has a very high tensile strength 400 p.s.i.
 -  Resists tearing when stretched
-  Superior Resistance to Alkali, Salt and Fungus and Weathering
-  Superior adhesion to substrate
 -  Resists peeling off
-  Superior waterproofing, has very low water vapor transmission
-  Easy application with airless, conventional air, roller or brush
-  Water-base for easy clean-up and low odor
-  High solids therefore low shrinkage, allows it to bridge hair-line cracks

PRODUCT PROPERTIES

 Tensile strength, p.s.i.	400
(ASTM D2370, 2 in./min.)	
 Tensile elongation %	31
(ASTM D2370, 2 in./min.)	
 Moisture vapor transmission, perms	2.6
@ 20 mils DFT (ASTM E96, Proc. B)	
 Solids, minimum by volume (% calculated)	55
 Impact resistance, direct	>40 in-lb
(ASTM G14)	
 Flexibility (1/2-inch mandrel)	Pass
(Fed. Std. 141 [6221])	
 Salt-spray resistance	no rusting
(ASTM D1654)	
 Fungus resistance	Excellent
(Fed. Std. 141 [6271], note 2)	
 Resistance to wind-driven rain	Pass
(Fed. Spec. TT-C-555B, 4.4.7 min. 95 mph req.)	
 Accelerated weathering @ 5000 hrs.	Excellent
(Fed. Std. 141 [6152])	
 Qualifications:	
490TC-FR (Fire Rated)	NFPA Class A, UCB Class I
(ASTM E-84, UL 723, NFPA 225, UBC 42-1)	
490TC-MR (Marine Rated)	Accelerated alkali resistance
(Fed. Spec. TT-C-555B, GSA ex. 1)	

Note: All tests performed represent minimum standards. Unless otherwise stated and specified, all samples were spray applied, allowed to air dry for 1 year and tested at 23 °C (73 °F).

PRODUCT LIMITATIONS

-  Do not apply Acrylastic 490TC when surface temperature is below 45 °F.
-  When surface or air temperature exceeds 100 °F, consult Davlin for special application procedures
-  Do not apply during, or 24 hours preceding, inclement weather including rain, fog, mist or freezing temperatures.
-  Do not apply directly to contaminated, damaged or powdery surfaces.
-  Do not apply to any surface previously coated with a silicone water repellent or other type of release or curing agent.
-  Do not apply when a vapor barrier is required.
-  Do not apply on exterior below-grade surfaces.
-  Acrylastic 490TC will freeze and become unstable at temperatures below 32 °F. Do not ship or store in any area where freezing may occur.

PRODUCT INFORMATION

- Finish Textured
- Textures Smooth, Medium, Coarse
- Color White or Custom Colors
- Components 1
- Curing Mechanism Air Dry
- Coats 2
- Dry Film Thickness (DFT) per coat 11-12.5 mils
- Recommended total DFT 22-25 mils
- Coverage per coat per 100 sq. ft. 1¼ gallons
- VOC 29 g/l
- Flash Point (SETA) >215°F
- Packaging 1, 5, 55 Gal.
- Availability Shipped Nationally & Internationally

APPLICATION SYSTEM

- Primer/Sealer** *Butylseal 572*
- Base Coat** *Acrylastic 490TC*
- Top Coat** (490TC-FR, 490TC-MR only) *Sunshield 3800*

APPLICATION CONDITIONS

- Temperature air and surface: 45° - 100°F, 7° - 38°C
- Do not apply at temperatures below 45°F nor during, or 24 hours preceding, inclement weather: including rain, fog, mist, or freezing temperatures.

SURFACE PREPARATION

- All surfaces shall be clean, free from dirt, release agents, wax, mildew and all other contaminants, including salt deposits. Remove all old loose paint.
- All porous surfaces shall first be primed with Davlin's Butylseal 572 including: new wood, concrete, masonry and slightly chalky substrates. Metal surfaces shall first be primed with a suitable metal primer. Old wood surfaces shall be primed with an oil base primer.
- CRACKS:** Prime all cracks with Butylseal 572. For cracks not exceeding 3/8 inch, fill with Acryflex 1210. On cracks exceeding 3/8 inch, treat as expansion joint using a polyurethane foam backer rod and an expansion joint compound or repair with a masonry patching compound.
- Never feather out caulk. Remove all excess caulking material from around the crack to avoid an uneven appearance after applying Acrylastic 490TC. Acrylastic 490TC will not prevent the appearance or reappearance of cracks due to structural movement at expansion joints, settling or earthquakes.

APPLICATION EQUIPMENT

The following is a guide; suitable equipment from other manufacturers may be used. Changes in pressure and tip size may be needed for proper spray characteristics.

Airless: For use ONLY with Acrylastic 490TC smooth. Standard equipment such as Graco King 45:1 pump, a Graco Golden Airless mastic gun or equivalent with a 0.045 in. reversible fluid tip and 1/2 inch hairless hose with 5000 p.s.i. rating and 5 ft. long 3/8 inch whip hose.

Conventional: For use with medium and coarse grade. Industrial equipment such as Binks 11:1 Saturn pump or equivalent with air control cut-off, a material hose 3/4 inch ID minimum and an air hose 1/2 inch ID and 50-75 p.s.i. air pressure minimum. Heavy mastic spray gun such as Binks 7E2 with 1/4 inch fluid tip or larger and slotted nozzle.

Brush or Roller: Suitable for waterborne coating. Multiple coats may be required to achieve specified DFT. Roller nap will vary according to texture of substrate.

APPLICATION PROCEDURE

- Flush all equipment with water before use.
- Stir Acrylastic 490TC thoroughly until uniformly blended. Avoid excessive mixing to prevent air entrapment.
- Do not thin.
- Spray apply a wet coat in even, parallel passes. Overlap each pass 50 percent to avoid holidays, bare areas and pinholes. If required, follow with a cross spray at right angles to first pass.
- Drying time to re-coat @70°F (21°C)
 - minimum dry through (4 - 8 hours)
 - maximum none
- Trowelled Textured Finish: After second coat of Acrylastic 490TC has set, apply Acrylastic 490TC periodically over the surface and trowel to desired finish. Application rate varies with finish texture, 1¼ gal per sq. ft.
- Clean equipment with water or water and detergent immediately after use.

WARRANTY INFORMATION

- For warranty information contact your Davlin representative at (510)848-2863.

The information, ratings and opinions stated above are, to the best of our knowledge, accurate, representing the results of laboratory and field evaluation. It is presented in good faith to assist the user in determining whether our products are suitable for his application. Since the user's application and other requirements are not known by us or are beyond our control, no warranty or guarantee as to results is hereby made or implied by Davlin Coatings, Inc.

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