

PROTECH 4700-DLT SYSTEM
Decorative Light Traffic

Technical Data

DESCRIPTION: Parker 4700-DLT is a laminated topping specifically designed for use in light traffic areas where abrasion, impact, grease, oil, water, acid and alkaline resistance are major requirements. The finished system creates a durable coating that can withstand light to medium traffic, is easily cleaned, and is aesthetically pleasing .

SURFACE PREPARATION: NEW CONCRETE must have a minimum of 28 days cure, and no concrete curing agents shall be used. Remove oil, grease, or other loose foreign materials and contaminants. To provide a proper bonding tooth, prepare the surface by sandblasting, scarifying, shot blast, or chemical etch. FOR OLD CONCRETE: Remove all powdery and weak concrete. Make sure all wax, dirt, grease, and all other contaminants have been removed. Once the surface has been cleaned, one of the following methods shall be used to provide for proper bonding: shotblasting, sandblasting, scarifying, scabbling, or chemical etch. All surfaces must be dry before application. (No more than 21% moisture reading using a two-pronged type surface moisture gauge.) METAL SURFACES: Completely solvent clean surface and follow solvent wipe with abrasive blasting to SSPC-10 Near White Metal or NACE #2 to a four mil anchor pattern or tooth.

PRIMER: Parker Probond Primers. Consult with Parker Technical Department for your particular application.

APPLICATION TEMPERATURE: Do not apply Parker 4700-DLT when surface temperature is below 50 degrees F. For best results and ease of application, the material temperature should be 70 degrees F. to 85 degrees F. The surface temperature should remain at least 50 degrees F. for 24 hours after application. Surface temperature has a major effect on cure rate of this coating.

COVERAGE: 1 unit 4700-DLT System -- 150 square feet

PHYSICAL CHARACTERISTICS:

Compressive strength, ASTM C-579:	10,000 - 11,000 psi
Tensile strength, ASTM C-307:	1,800 psi
Flexural strength, ASTM C-580:	4,600 psi
Flexural Modulus of Elasticity ASTM D-790:	5.0 x 10 ⁵ psi
Abrasion resistance ASTM D-4060, CS-17 wheel:	50 mg. loss
Coefficient of expansion ASTM E-831:	4.2 x 10 ⁵ in/in° C

PACKAGING: 1 unit 4700-DLT consists of:

- 1 unit appropriate base coat (primer)--150 square feet coverage
- 100 lbs. Decorative aggregate blend (for two broadcast coats)
- 2 units Parker 4000 A & B liquids--75 square feet coverage per unit
- 2 units Parker 2405-WCE Topcoat--90-100 square feet coverage per unit for nonskid **or**
- 3 units Parker 2405-WCE Topcoat--50 square feet coverage per unit for smooth

COLORS: Available in 3M blended colors or custom blends.

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PATCHING IMPERFECTIONS: Grout in any irregularities on the surface using a slurry mixture of Parker 4000 A and B and dry 430 mesh silica sand. Trowel the slurry smooth as flush. Once the slurry has hardened (approximately four to six hours), it is good practice to grind the edges of the patch to feather the edges.

APPLICATION: STEP 1: Mix appropriate Parker Probond Primer (base coat) according to its specifications. Roll apply the base coat at a spread rate of 150 square feet per unit. Broadcast (sprinkle) the decorative aggregate blend onto the surface as the coat of liquid is being applied, being sure to leave a “wet edge” of six to twelve inches of liquid to allow for further liquid applications to be “feathered in” without creating lap marks. Broadcast entire area until dry.

STEP 2: Allow fully seeded base coat to cure for approximately 12 hours at 50 degrees F. Sweep and vacuum excess aggregate from surface. Mix and apply Parker Protech 4000 A and B liquids according to their specifications using a squeegee trowel and back roll at a spread rate of 75 square feet per unit. Once again, broadcast the decorative aggregate blend into the liquid as you go.

STEP 3: Allow the second aggregate coat to cure a minimum of six hours at 50 degrees F. Sweep and vacuum excess aggregate from surface. Mix Parker 2405-WCE topcoat according to its specifications. Apply the topcoat using a squeegee trowel and back roll to ensure a uniform build of sealer. The spread rate of the topcoat is what determines the degree of nonskid. Apply the 2405-WCE topcoat at a spread rate of 100 square feet per unit for a light nonskid surface. If a glass smooth surface is desired, a spread rate of 50 square feet per unit using a notched squeegee or trowel is required.

Allow the finished system to cure a minimum 12 hours at 60 degrees F. Before light traffic, and 36 hours at 60 degrees F. before heavy traffic.

CLEAN UP: Cured or hardened Parker-DLT sticks to practically everything and is virtually impossible to remove. Clean tools immediately with Parker’s #34 solvent, or lacquer thinner.

All technical advice, recommendations and services are rendered by the Seller gratis. They are based on technical data which the Seller believes to be reliable, and are intended for use by Persons having skill and know-how, at their own discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from their use by Buyer in whole or in part. Such recommendations, technical advice or services are not to be taken as a license to operate under or intended to suggest infringement of any existing patent.

CAUTION: This product may be irritating to the eyes and skin. Avoid prolonged contact with the liquid components A and B and keep the mortar from touching tool handles and clothes. Use coveralls, goggles, rubber gloves, or protective cream when working with this material. Always wash thoroughly with soap and water after use. Should accidental eye contact occur, wash thoroughly with water and consult a physician immediately.

WARRANTY: Manufacturer warrants only that this product conforms to its standards and in no event shall liability exceed the purchase price. Manufacturer’s only obligation shall be to replace such quantity of the product proved to be defective. User shall determine the suitability of the product for his intended use, assume all risks and liability in connection therewith.