



DuroPro Engineered Products

DUROPATCH 3000 CT

TEMPERATURA FRÍA

DESCRIPCIÓN

DUROPATCH 3000 CT es un acabado epoxi para pisos 100% sólidos diseñado para aplicaciones de temperatura fría que se encuentran comúnmente en las instalaciones de procesamiento de alimentos y bebidas. El sistema DURAPATCH 3000 CT consta de un aglutinante de resina de dos componentes y agregado clasificado. Se aplica con una llana o rastrillo de regla a 1/8 -1/4 pulgadas (125-250 milésimas de pulgada) en una aplicación de una sola capa que incluye una capa de sílice. No es necesario aplicar una capa de imprimación o sellador. Se puede usar una capa de esmalte opcional para mejorar la apariencia y la facilidad de limpieza.

La formulación vertical de DURAPATCH 3000 CT se aplica con llana a 1/8 de pulgada (125 mils).

FUNCIÓN

El uso principal de DUROPATCH 3000 CT es como acabado de piso de alta resistencia para servicio industrial donde se anticipa abuso mecánico severo y / o exposición química y donde temperaturas de aplicación entre 45 grados. F. y 65 grados. F. se encuentran. Las aplicaciones típicas incluyen plantas de procesamiento de alimentos, cervecerías, laboratorios, plantas de procesamiento de productos químicos, instalaciones de eliminación de desechos, fábricas de pulpa y papel, refinerías, minas, áreas de almacenamiento de productos químicos y otras áreas de procesamiento industrial donde se utilizan productos químicos.

CARACTERÍSTICAS

DUROPATCH 3000 CT es un sistema 100% sólido y permite una aplicación rápida donde se requiere una buena resistencia química y al desgaste. DURAPATCH 3000 CT se puede instalar en la mayoría de los pisos de sonido, incluidos el concreto viejo o nuevo, el acero y la mayoría de los tipos de morteros de reparación. Con espesores variables de hasta 1/4 de pulgada, el sistema DURAPATCH 3000 CT proporciona resistencia química a largo plazo para salpicaduras y derrames o inmersión en muchos productos químicos. (Para recomendaciones específicas, consulte la "Guía de resistencia química" de DUROPATCH 3000) Al igual que con todos los sistemas DUROPATCH, DUROPATCH 3000 CT proporciona una excelente protección física incluso en los entornos industriales más duros. Las propiedades físicas de DURAPATCH 3000 CT son muchas veces las del hormigón estándar.

OTHER FEATURES INCLUDE

- Rapid cure, resulting in minimal "downtime"
- Odor free
- Non-skid safety finish
- Can be applied in temperatures between 45° and 65° F.

TYPICAL PROPERTIES

Solids, by Volume 100 %

Compressive Strength

DUROPATCH 3000 CT

ASTM C579-82 14,000 psi

Flexural Strength

ASTM C580-85 4,000 psi

Tensile Strength

ASTM C307-83 2,000 psi

Bond Strength Failure in
To Concrete Concrete

ASTM D4541-89

Taber Abrasion 25 ms loss/1000
ASTM C501-80 cycles w/1000 gms.
CS-17 Wheel

Water Absorption +0.10%
ASTM C413-93

PACKAGING & COVERAGE

DUROPATCH 3000 CT is available in 20, 100, and 1000 square foot units based on ¼ inch applications. Each unit consists of pre-measured components, Part A (Resin) and Part B (Hardener). Graded aggregates are available or may be sourced locally.

Application thickness may vary from 1/8 to ¼ inches, depending on the expected service conditions. Factors to consider are 1) length of chemical exposure (i.e., immersion vs. splash/spill) and 2) mechanical abuses (i.e., tow traffic, loaded trucks vs. cart and foot traffic, etc.).

CURE TIME

The cure time of DUROPATCH 3000 CT and other resinous systems are very dependent upon the temperature of the substrate. The ambient temperature may not be the same as the substrate temperature. For example, during winter, concrete may be colder than the surrounding ambient temperature. As temperatures during the day increase, large masses of concrete will be much slower to react. During summer days direct sunlight will increase the concrete temperature over that of ambient air. The substrate temperature should be monitored and remain at or above 45° F.

DUROPATCH 3000 CT

Service (hours) 45F 55F 65F

Foot Traffic	12	8	4
Light Chemical	12	10	10
Forklift	24	16	12
Heavy Chemical	7-days	6-days	3-days

MIXING & APPLICATION

For mixing and application information, please refer to the DUROPATCH 3000 Brochure.

STORAGE & SHELF LIFE

DUROPATCH 3000 CT should be stored at 45-90°F out of direct sunlight. All containers should remain unopened until ready for use. If stored as set out above, DUROPATCH 3000 CT has a minimum shelf life of one year.

WHERE DUROPATCH 3000 CT SHOULD NOT BE INSTALLED

DUROPATCH 3000 CT should not be applied over substrates:

- Subject to hydrostatic pressure.
- Unsound structures.
- Contaminated substrates which cannot be cleaned.
- At temperatures below 45° F (Consult DuroPro Engineered Products).
- Which are wet during application.

SAFETY

DUROPATCH 3000 CT contains blended Epoxies as the resin and blended Amines as the hardener. Protective clothing and gloves are recommended to prevent sensitization to these materials. In case of ingestion or eye contact, it is advisable to contact a physician immediately. MSDS are available for this product upon request.

WARRANTY

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