FASTONITE™ 700

SUPER DUTY
SWIMMING POOL
COATING

Thin Film Technology, Inc.

PRODUCT DATA SHEET

FASTONITE™ 700 is an epoxy coating specially formulated for swimming pool applications. Swimming pool service is incredibly demanding being subject to a strongly oxidizing environment and open to intense UV attack especially through the summer months.

Genuine Kevlar® microfiber reinforcement toughens the coating against physical damage and special UV absorbers extend its life in sunny climates.

During the development of this product many otherwise first-rate coating systems were discarded when they were seen to be unable to stand up to the swimming pool challenge. FASTONITE™ 700 proved outstanding resistance even to concentrated hypochlorite over long periods. All colors including White are available and can be shipped "Non-Regulated" by USDOT, IATA and IMO.

**Kevlar is a trademark of the E.I. DuPont de Nemours Co.*

RECOMMENDED USES

SWIMMING POOL COATING: Designed for use on fiberglass and plaster pools.

TECHNICAL INFORMATION

VEHICLE TYPE	Epoxy/Aliphatic amines
PIGMENTATION	Color/Inert/fibrous reinforcement
COLORS	Ultra White, Ebony, Caribbean Blue
FINISH	Slight texture
THINNER	Not normally required
CLEANER	MEK or lacquer thinner
MIXING RATIO	1.60/1.00 v/v
INDUCTION TIME	10’
POT LIFE	Approx. 50’/77’F
FLASH POINT	Over 200°F
SOLIDS BY VOLUME	100%
SPREADING RATE/GAL	1604 mil/sq. ft./gal, 80 sq. ft./gal @ 20 mils
DRY TIME, (Dust free)	5 hours at 77°F
DRY TIME, (Service)	24 hrs. before filling with water
APPLICATION METHOD	Brush, roller, heated plural airless spray
STORAGE CONDITIONS	Normal, Freezing OK
VOC.	Essentially zero

APPLICATION NOTES

SURFACE PREPARATION: This may be accomplished in several different ways:

New Concrete or Plaster surfaces are best prepared by abrasive blasting to roughen and remove the weak surface laitance. When prepared properly the surface should have the firm granular appearance of "medium" sandpaper.

Aged Concrete or Plaster surfaces may be prepared by either high pressure water jetting at sufficient pressure to remove all loose contamination and yielding a firm, "medium" sandpaper finish.

Treatment of Deteriorated Plaster Surfaces: Pressure washing of worn plaster will inevitably reveal more weakened or damaged areas. When washing has been completed allow the surface to dry then apply a coat of BIO-SEAL 192 by roller, this will seal and bind loose surface materials and create an ideal surface for subsequent coats of BIO-DUR 561 and FASTONITE 700.
As soon as the BIO-SEAL 192 can be walked on start repairing and rebuilding areas where lost plaster has left holes in the finish. BIO-DUR® 561 is a Kevlar® reinforced epoxy paste which is ideal for this job. Using a contrasting color such as gray apply the BIO-DUR 561 to smooth our badly roughened plaster or to replace lost plaster. Allow the BIO-DUR 561 application to cure until “gummy” before proceeding. If necessary the BIO-DUR 561 can be left to harden overnight then sanded smooth with an abrasive disc.

Application of FASTONITE 700: This material is supplied in 2-gallon kits of premeasured base and curing agent. The base component is packed in a part filled two-gallon plastic pail and the curing agent is packed in a part filled one gallon steel can. Use a ½" "Jiffy" type mixer to initially stir the base then pour in the curing agent and continue mixing for about one extra minute taking care to incorporate all material from the base and sides of the pail. If unmixed epoxy base or curing agent is applied to the surface **it will never cure.**

APPLICATION: Pour the mixed product into a pan and apply with a roller using a 3/8" nap for both fiberglass and concrete. Use good quality “phenolic core” rollers that will not shed fibers into the epoxy. When making application by brush, use an appropriate sized brush with preferably natural bristles. In some applications it will be useful to either cut an inch or two of bristles from the end or to wrap the base of the bristles close to the shank with duct tape in order to stiffen the brush.

If airless plural spraying the following conditions are recommended:

Ratio:	Base/Cure :: 1.6/1.0
Fluid temperature:	130’F
Fluid pressure:	2,250 psi
Tip:	30thou” – angle to suit application
Cleaning solvent:	MEK or standard epoxy thinner

CURING BEFORE SERVICE: FASTONITE™ 700 may be immersed in fresh water 24 hours after application. It will cure to a hard film within about 14 hours and is suitable for light traffic after this time.

WE URGE YOU TO READ THE MATERIAL SAFETY DATA SHEET (MSDS) BEFORE USING PRODUCT AND TO CALL THIN FILM TECHNOLOGY, INC. AS NECESSARY FOR ADVICE OR INFORMATION BEFORE ANY ACTUAL OR CONTEMPLATED APPLICATION.

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