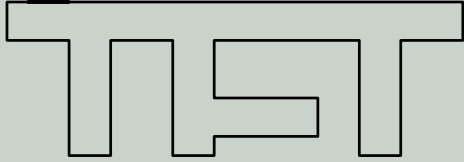


BIOCRETE™

451

TOUGHENED
SOLVENT-FREE EPOXY
CONCRETE REPAIR
COMPOUND



Thin Film Technology, Inc.

PRODUCT DATA SHEET

The BIOCRETE™ 451 formulation is based on a unique resin system, which may be applied to damp concrete surfaces. This resin system is toughened with Kevlar™* to withstand severe impacts and is filled with select fine quartz for wear resistance and an appearance similar to the surrounding concrete.

The formulation is solvent-free to avoid the objectionable odor and explosion hazards of epoxy solvents. Absence of solvents also assures compliance with all present and proposed air pollution regulations and prevents common service problems caused by shrinkage or water sensitivity of residual entrained solvent residues.

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

RECOMMENDED USES

CONCRETE REPAIR COMPOUND – effective field repair of damaged concrete in severe service.

COMMERCIAL OR MILITARY RUNWAYS – Kevlar™ reinforcement contributes to the anti-fragmentation properties that should eliminate FOD problems.

TECHNICAL INFORMATION

VEHICLE TYPE	Epoxy/Proprietary Polyamines
PIGMENTATION	Quartz, inorganic color pigments
COLORS	Natural concrete or as specified.
FINISH	Lacquer Thinner or similar
SURFACE PREPARATION.....	Abrasive blast, HP water jetting.
POT LIFE	Approx 15°/77°F
FLASH POINT	Over 200°F
SOLIDS BY VOLUME	100%
REC.DRY THICKNESS.....	No limit
DRY TIME, (SERVICE)	2 hours @ 77°F
DRY TIME, (HARD)	4 hours @ 77°F
APPLICATION METHOD.....	Pour and Spread
SHELF LIFE	12 months minimum
STORAGE CONDITION.....	Normal
VOC.	Zero

APPLICATION NOTES

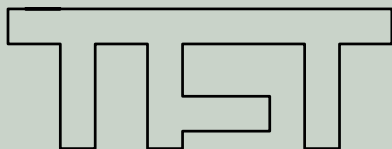
SURFACE PREPARATION: Ensure all surface preparation is completed before starting to mix the kit.

MIXING PROCEDURE: BIOCRETE™ 451 is supplied in 336 cubic inch units packed into 2-gallon plastic shipping containers for easy mixing and storage. The repair material is mixed in its original shipping container then immediately poured into prepared cavities. BIOCRETE™ 451 is a one-application repair -no primers or sealing coats are normally required unless special cosmetic effects are needed.

APPLICATION: Pour out the quartz aggregate onto a newspaper, plastic sheet or similar surface then mix the two base resins and single curing agent. NOTE: wear protective clothing and equipment to prevent skin or eye contact. Stir in the quartz aggregate immediately after mixing the clear base and curing agent. Heavy-duty power stirrers work best for mixing however a stout paddle may also be used. Once the entire kit is well mixed pour into the prepared repair area and spread evenly

CURING BEFORE SERVICE: Allow to cure for approximately 2 hours at 77°F before service, specially formulated curing agents and accelerators are available to maintain the short cure time if desired for use down to about 35°F

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



Thin Film Technology, Inc. • P.O. Box 580669 • Houston, TX 77258-0669
(713) 910-6200 • Fax: (713) 910-6210 • Mobile: (281) 82-0723
Email: info@thinfilmttech.net • Website: www.thinfilmttech.net

SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.
WARRANTY DISCLAIMER: The technical data given herein has been compiled for your help and guidance and is based upon our experience and knowledge. However, as we have no control over the use to which this information is put, no warranty, express or implied, is intended or given. We assume no responsibility whatsoever for coverage, performance or damages, including injuries resulting from use of this information or of products recommended herein.