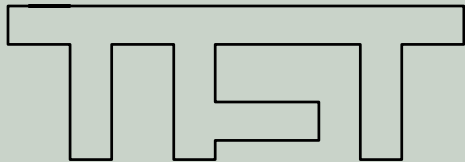


BIO-DECK™

190

HARD- TOUGH CONCRETE SKIN



Thin Film Technology, Inc.

PRODUCT DATA SHEET

BIO-DECK™ 190 is an advanced yet easy to use repair compound designed to provide an impact and abrasion resistant surface on concrete subject to extreme wear and tear. Initial design goals were based on repair of "Towveyor"™ track worn after years of heavy use.

The formulation is self-leveling and ideal for use in material distribution facilities, warehouses, assembly plants etc. Required application equipment consists of standard, readily available equipment such as a ½" heavy-duty "Jiffy" type mixer, and trowels. Key design attributes of no-odor, gentle MSDS and rapid curing for service have all been met with thousands of linear feet in service.

BIO-DECK™ 190 is available in several colors including light gray, beige and natural. The component materials are supplied premeasured in 800 cubic inch kits ready for mixing at the jobsite. The formulation is quick curing, ready for wheeled traffic as quickly as 3 hours after application at 75°F.

RECOMMENDED USES

HEAVY DUTY FLOOR REPAIR - Especially "Towveyor"™ or similar high traffic/high loading track repair.

BIO-DECK™ 190 is also ideal for general-purpose use filling floor divots and other depressions such as old machinery anchors.

TECHNICAL INFORMATION

VEHICLE TYPE	Epoxy/Aliphatic amines
PIGMENTATION	Color/Inert/mineral aggregates
COLORS	Natural, Light Gray, Beige
FINISH	Smooth – self-leveling
THINNER	Not normally required
CLEANER	MEK or lacquer thinner
MIXING RATIO	2.0/1.0 v/v (Resin componets)
INDUCTION TIME	Not required
POT LIFE	Approx. 25' / 77°F
FLASH POINT	Over 100°F
SOLIDS BY VOLUME	100%
SPREADING RATE/GAL.....	Approx. 25 lin. feet of 10"x 0.25" groove per kit
DRY TIME, (FIRST TRAFFIC)	3 hours at 77°F
APPLICATION METHOD.....	Trowel, Screed box
STORAGE CONDITIONS.....	Normal, Freezing OK
VOC.	Essentially zero

APPLICATION NOTES

SURFACE PREPARATION: Prepare the surface for application by abrasive blasting. The preferred blasting method for Towveyor™ track repair is by centrifugal abrasive blasting using "Blastrac"® or similar equipment. Ideal preparation using centrifugal blast equipment yields a ¼" deep groove across a 10" width of track with a firm, granular base. Needle gun or pneumatic chisel is recommended to prepare parts of track inaccessible to the centrifugal blast unit.

PRIMING: Depending on the porosity of the underlying concrete it may be desirable to prime with BIO- SEAL™ 196 before applying the BIO-FILL™ 190. Application of the BIO-SEAL™ 196 sealer will ensure preservation of sufficient resin in the BIO-DECK™ 190 to allow positive self-leveling and a smoother, glossier finished repair.

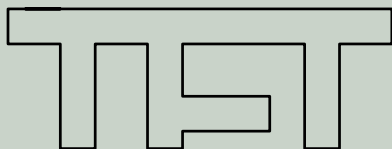
MIXING PROCEDURE: BIO-FILL™ 190 is supplied in 800 cubic inches/3.5 gallon units. Standard kits have all components premeasured and packed within a steel 5 gallon shipping pail. Starting with a clean 5 gallon pail pour in the 1.5 gallons of resin components and mix well for approx. 30 seconds using a ½" "Jiffy" type mixer then immediately add the mixed aggregate and continue mixing until uniform for about an additional minute. Once mixed the material is stiff, uniform and just fluid enough to flow and self-level. Pour and spread the BIO-DECK™ 190 immediately after mixing -"sweat-in" or induction time is not necessary.

APPLICATION: Estimate or measure the repair to be filled. For estimating purposes note that a U.S. Gallon is 231 cubic inches and the standard BIO-DECK™ 190 kit is 800 cubic inches. A standard kit will fill a groove 10" wide x ¼" deep x 25 linear feet long.

For Towveyor™ track pour the mixed compound into a screed box equipped with guides and a scraper bar to deposit the material smoothly into the repair. It will be found efficient to grind an arc or raised center into the scraper to deposit a higher center or "crown" in the groove -this crown will encourage more positive self-leveling and will result in a longer lasting repair.

NOTE: Temperature has a considerable influence on the rate of hardening of chemically cured materials such as BIO-FILL™ 190. The repair will be cured sufficiently for service within about 3 hours at 75°F, higher temperatures will shorten pot life and cure times, lower temperatures will lengthen these. As a very rough approximation estimate a decrease in temperature of 10°C/18°F will lengthen pot life and cure times by a factor of two.

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.



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SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.
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