

TECHNICAL BULLETIN-115

SURFACE PREPARATION FOR EXISTING CONCRETE

MANDATORY CRITERIA

SYSTEMS

- Con-Dek System
- Con-Dek “U” System
- PD Texture Coat System

PURPOSE:

Properly preparing a concrete surface to receive the Con-Dek or PD Texture Coat Systems when there is an existing coating can create many concerns including but not limited to: adhesion, compatibility, contamination on the surface, and/or existing product delamination. The proper preparation is imperative before applying a waterproof deck coating or PD Texture Coat coating. This technical bulletin will provide details on properly prepping the surface when there is an existing coating present.

COMPATIBILITY

1. Bond Strength/Pull Test can be done to determine compatibility. Please contact Pli-Dek for additional information.

PREPARATION:

1. Concrete substrate must be clean, dry, and free of all contaminants. If significant contaminants are present, contact Pli-Dek for additional information.
2. Prepare surface by grinding or shot blasting. If grease or significant contaminants are present, contact Pli-Dek for additional instructions.
3. Ensure preparation procedures comply with local building and environmental regulations.
4. The concrete shall be porous, and have a minimum CSP-2 Rating, suitable to receive the coating.
5. Moisture & Vapor Transmission Testing refer to Concrete Moisture & Vapor Transmission Testing Technical Bulletin (TB-111).
6. Refer to application instructions for primer coat requirements and application.

SURFACE CONTAMINANTS:

1. To remove potential surface contaminants, the surface needs to be thoroughly cleaned with a degreaser or TSP.
 - a. A hard bristle broom should be used when necessary.
 - b. In some situations, grinding may be necessary as well.
 - c. Ensure that there are not any issues with cleaners or solvents entering the surrounding landscaping as well as running down streets and/or drains.

EXISTING PRODUCT DELAMINATION:

1. When existing delamination is present:
 - a. Remove any delamination by grinding or shot blasting.
 - b. Inspect areas that may be the cause of delamination.
 - c. Any areas that could cause leaking underneath the waterproof deck coating need to be corrected prior to installation of the Con-Dek System.
 - d. Installing Vapor Prime after preparing the surface is recommended.
 - e. Control joints should be treated with urethane caulking.

ALIPHATIC URETHANE TOP COATS:

1. An interlaminar primer is required when installing the Pli-Dek products over an aliphatic urethane top coat.
 - a. Clean surface thoroughly, removing all contaminants and any delaminated materials.
 - b. Prime surface with Resinyte Epoxy 200.



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