
METHODOLOGY FOR PODIUM SLAB WATERPROOFING.

PROPOSED PRODUCT: SEAMLESS PU BASED HIGHLY ELASTIC LIQUID MEMBRANE WITH ANTI ROOT PROPERTIES

- Since the RCC slab of Podium is subjected to thermal stress, it is strongly recommended to provide HYPERDESMO PB 2K (Waterproofing product confirms AST C 836) with following properties:-
 - Seamless ☑ Inherent Anti root property
 - High abrasive strength ☑ Self-levelling
 - Highly elastic (elongation > 1000%) ☑ Excellent adhesion > 20 Kg per sqcm.
 - CE Certified for service life > 25 Years.

- Before application of PU Coating the concrete surface to be treated is checked for voids, cracks etc and treated with Non shrink grout by injection.

- The junction between the RCC slab and Vertical Parapet wall is treated by providing angle fillet of required size. All drain outlets are treated with micro concrete to ensure voids free. (General Trade Contractor's Scope)

- All Cut-outs / other pipe penetrations if any are to be treated beforehand as per standard waterproofing practice. (Additional scope)

- After completion of satisfactory surface preparation, the surface is cleaned from all loose particles with blower. A Coat of primer is recommended with Micro sealer or Aquasmart Dur based on the substrata condition. After complete drying, the HYPERDESMO PB 2K - PU coating is applied with roller OR Notch Trowel to develop 1mm thickness.

The Treated surface can be tested for water tightness by flooding the entire surface with water for a minimum thickness of 50 mm for 48

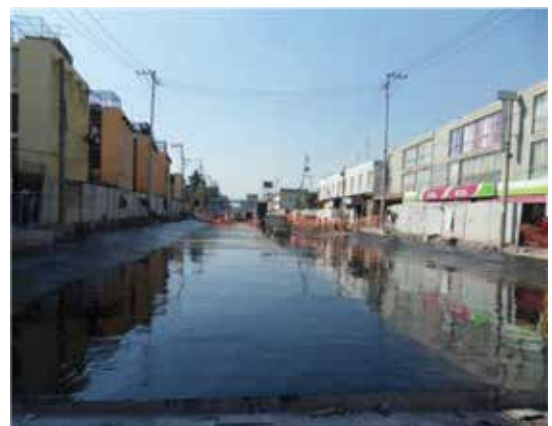
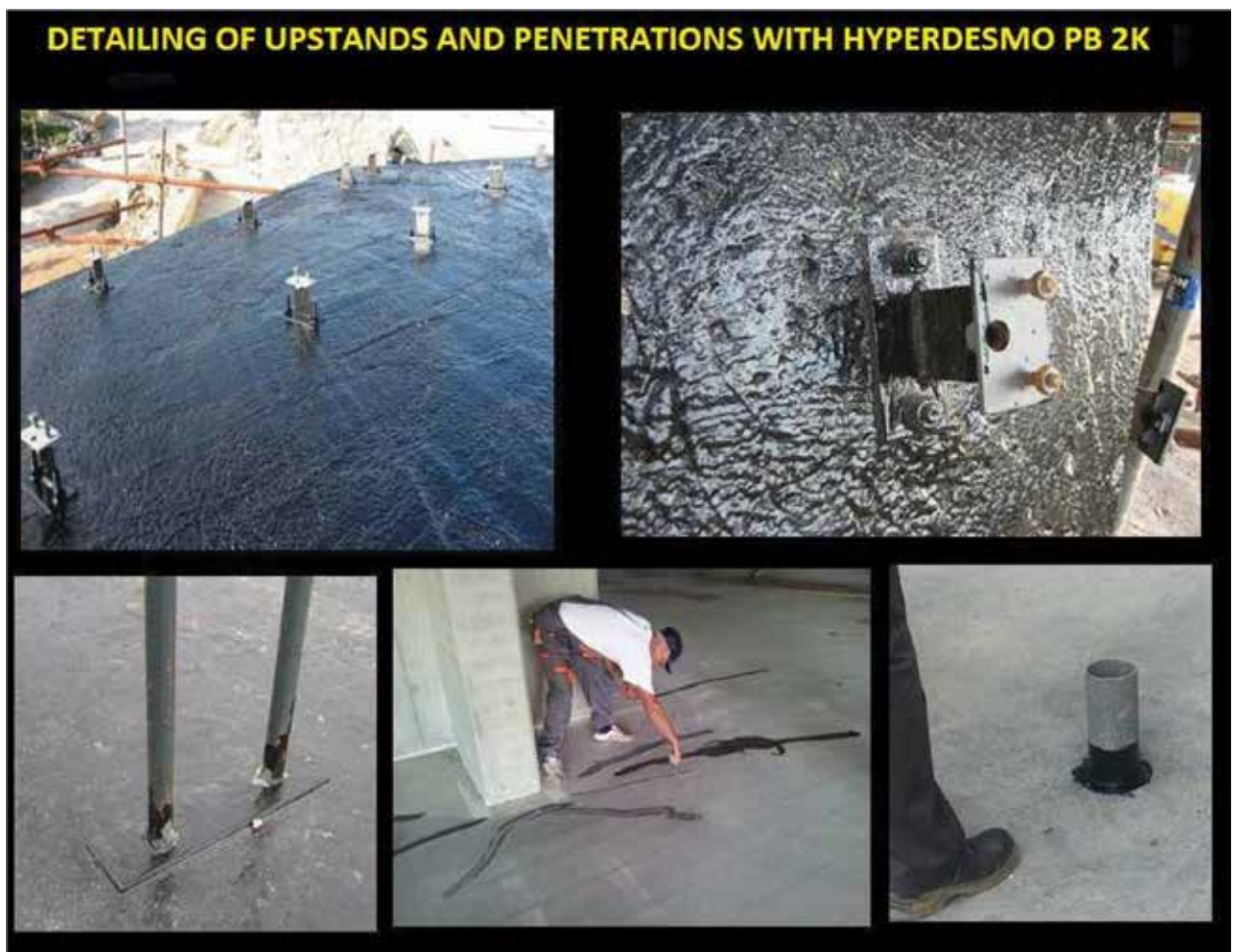


- It is recommended to have the podium slab casted with minimum slope of 1: 200 for easy follow of water to the designated drains.
- It is preferable to apply the PU membrane on the RCC slab directly to avoid formation of cleavage plane between the screed concrete and RCC slab.
- It is recommended to provide PU membrane over the strong base concrete with even steel trowel finish.
- Number of drain points to be provided in the podium slab for easy flow out of water from the podium slab.
- It is advisable to extend PU membrane 200 mm above the final garden soil filling level.

- Under wet condition or during the monsoon period, HYPERDESMO PB 2K to be replaced by AQUASMART PB – Which is a solvent free PU, that can be applied on wet surface too.

In landscape area: -

- The entire treated landscape area is tested for water tightness and covered with Drainage membrane DELTA TERAXX. Over which the garden soil can be spread for landscape work.



BUDGETARY OFFER:

	PODIUM AREA/LANDSCAPE AREA.		
1a	Supply and application of Seamless PU based self-levelling, CE certified anti root waterproofing membrane (HYPERDESMO PB 2K or equivalent) with expected 25 years of service life @ 1mm thick having elongation more than 1000%, substrata adhesion > 20 Kg per sqcm over a base coat of Micro sealer primer @ 100ml per sq.m.	Sq.m	

Thank you and looking forward to serve you.