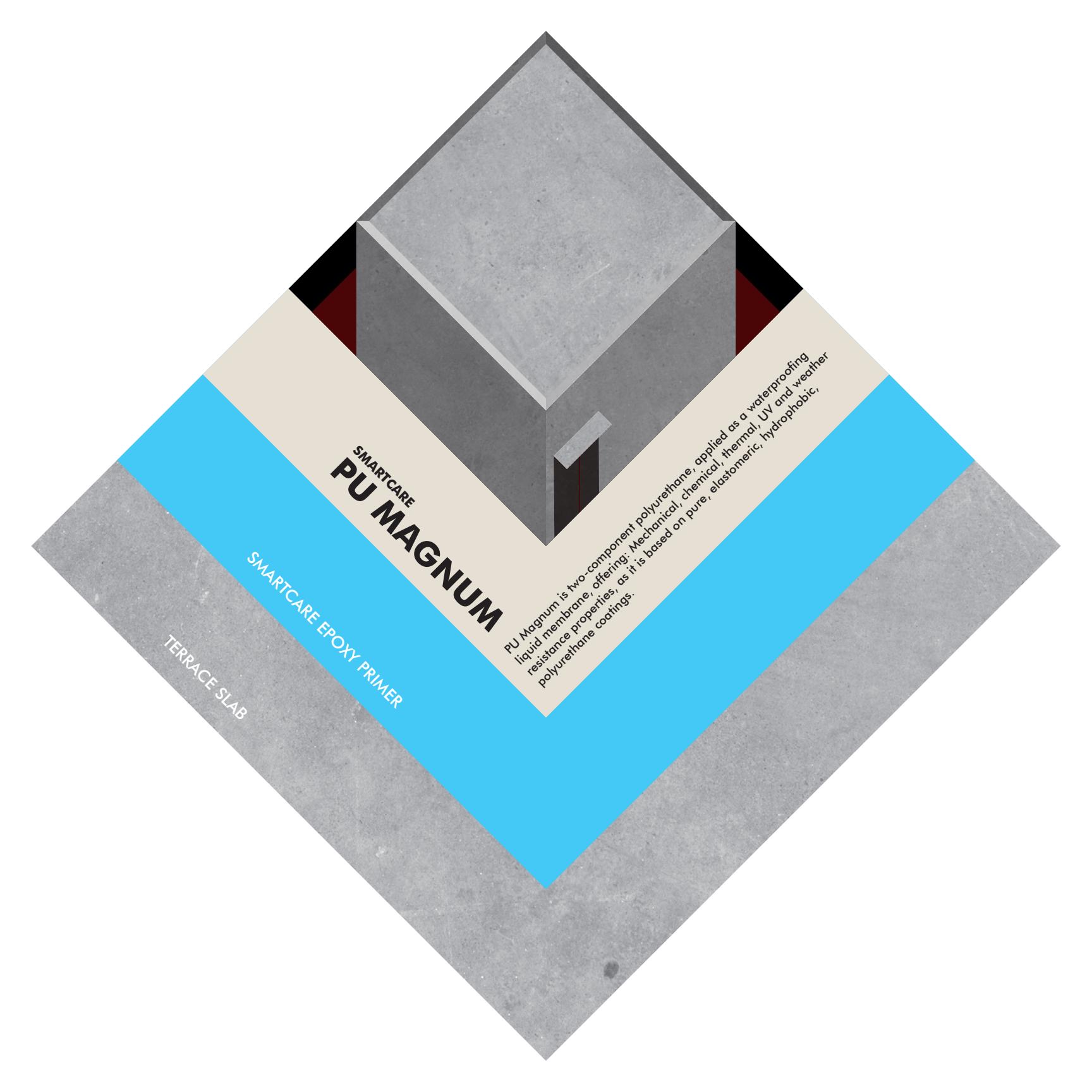




SMARTCARE

P U
M A G
N U M



SMARTCARE **PU MAGNUM**

SMARTCARE EPOXY PRIMER

TERRACE SLAB

PU Magnum is two-component polyurethane, applied as a waterproofing liquid membrane, offering: Mechanical, chemical, thermal, UV and weather resistance properties, as it is based on pure, elastomeric, hydrophobic, polyurethane coatings.

SMARTCARE

**P U
M A G
N U M****ELASTOMERIC
POLYURETHANE
COATING**

APPLICATION METHODOLOGY

SUBSTRATE PREPARATION

In general, the substrate must be dry (moisture content <4%), clean, free of grease, loose particles, dust etc. Any existing cavities in concrete should be filled with the Asian Paints SmartCare Repair Mortar in advance. Intense wide cracks on the substrate must be filled with the Asian Paints SmartCare Hybrid PU sealants.

For Concrete, Bituminous & Porous substrate Concrete, bituminous membranes or old waterproofing layers and other porous surfaces should be primed with SmartCare Epoxy Primer at a consumption of 80 - 90 g/m².

APPLICATION

Mixing of the two components: Smart Care PU Magnum 2 component) Part - A (base) and Part - B (hardener) are packed in two separate containers, having the correct predetermined mixing ratio by weight. Stir individual container separately, Part - A and Part - B very well, to get homogeneous material. The whole quantity of Part - B is added into Part - A. The two components should be mixed for about 2-3 minutes with a low-speed mixer (300 rpm), until the mixture becomes uniform. It is important to stir the mixture thoroughly near the sides and bottom of the container, to achieve uniform dispersion of the hardener.

TERRACE PROFILE



ACCESIBLE SLOPE EXPOSED MATERIAL

APPLICATION CONSUMPTION

Over primed surface, apply mixed material with brush / roller at the rate of 500 - 700gms/ sqft.

Apply 2nd coat perpendicular to first coat, after 4 hrs interval.



PRODUCT RANGE

- SmartCare PU Magnum (20kg)
- SmartCare Epoxy Primer- Hardener (4kg)
- SmartCare Epoxy Primer- Resin (4kg)

SYSTEM FEATURES & BENEFITS

- Mechanical, chemical, thermal, UV and weather resistance properties
- A uniform, elastic, without seams or joints
- Compatible to old layers of bitumen or EPDM
- Elongation is higher 550% +-50%
- Crack Bridging Ability upto 3mm

OTHER APPLICABLE *SYSTEMS

- Adhesive based fully bonded EPDM membrane
- APP modified 3mm bitumen membrane + Aluminum paint coat/mineral finish
- Acrylic Polymer modified cementitious coating

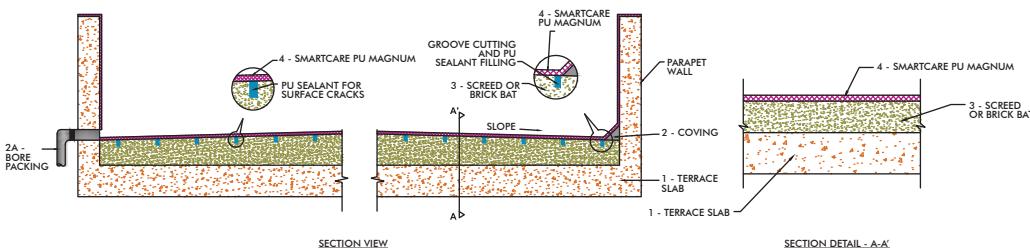
*Not applicable for deck slab

PHYSICAL TEST PARAMETERS

PARAMETER	ASTM/TEST STANDARD USED	TYPICAL VALUE WITH UNIT
Mixing Ratio	{Base:Hardener}	95:05 pbw
Elongation at break, 14 days	ASTM D 2370	550% +-50%
Tensile strength, 14 days	ASTM D 2370	2.5-3 Mpa
Temperature Resistance		From -30°C to +90°C
Solid Content		>85%
Crack Bridging Ability	ASTM C 1305	3-3.5mm
Shelf life	1 year	
Theoretical Coverage (WFT)		500 gms/sq. mtr/coat at WFT 400 micron

TERRACE: PU MAGNUM

SECTION VIEW



ISOMETRIC VIEW

