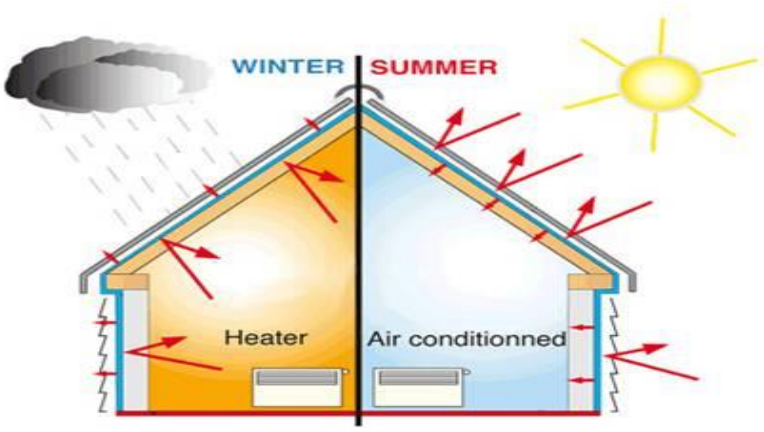
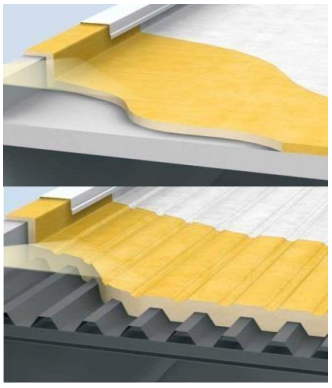
SUPER WATERPROOFING Standard Roofing System

PRODUCTS USED:

- SUPER WATERPROOFING PU 40 BAYER/BCI
- SUPER WATERPROOFING RBE POLIBIT
- Gtex 100-120 GSM
- SUPER WATERPROOFING Fillerboard SUPER WATERPROOFING TERRCO UV TOPCOATING





SYSTEM DESCRIPTION:

1. Clean the roof slab from all dust or debris by using compressed air, directly before Polyurethane implementation.
2. Applying polyurethane foaming spray, (averagely: 40-45 mm thick & 45-50)
3. water testing should be by using sweet water, for 24-48 hours, this water test will give high Opportunity to discover any leakage might be happen (this procedure should be on the main Contractor responsibility, and under consultant engineer supervision)
4. Applying one coating of cold liquid elastomeric modified Bitumen Rubberized Emulsion, which is Water based, and Non-flammable. (Application should be by brush).
5. covering all the above mentioned steps by using **one layer** of non-woven polyester synthetic Fabric filter membrane (Geotextile Separation Layer 120 gm/m 2)
6. Dividing the roof slab into multiple squares (its area is 300cm * 300cm), then execute ridges by Using the flexible sheets with thickness 12mm, and its height is matching with roof slope 1/100 (that Will increase 1 mm height for each 1m length), taking into consideration the water pipe will forming The starting point to execute ridges in this stage, and its screed should be at 4 cm minimally.
7. Casting screed of Ready Mix Concrete.
8. Soften the casting ready mix concrete by using the helicopter, this procedure should be on the Same casting day and when the screed starts to be dry.
9. Execute slope corners 20cm*20cm to cover the upper side of insulation layers along with the Parapet, in order to avoid a high probability leaking in this weakness area.
10. Approximately 5 days later, be sure the casting screed ready mix concrete is well dry, than all Flexible sheets must be removed very carefully, without causing any vandalism or damages in Screed edges along with those flexible sheets that had been removed.
11. Filling the expansion joints by sponge 20mm thickness, then apply mastic coat minimally: 25mm Height and 25mm width, to protect screed edges this forming important stage to avoid a high Probability leaking in this weakness area.
12. Air conditions bases (main contractor responsibility) should implement on the top of the roof slab Far away from expansion joints, this step should be before acrylic execution. Taking into Consideration keeping the insulation system clean and safe.
13. Apply (Acrylic) top coating, spray Applied, which transform from liquid texture during application Into elastic and flexible coating when drying, and specification: highly flexibility, Weather Resistant, and High adhesion power

Roof Waterproofing & Thermal Insulation System Works



Prime proof / BCI/Bayer PU40 spray applied over the concrete slab



Applying SUPER WATERPROOFING RBE and GTEX 100 to 120 gsm Layer

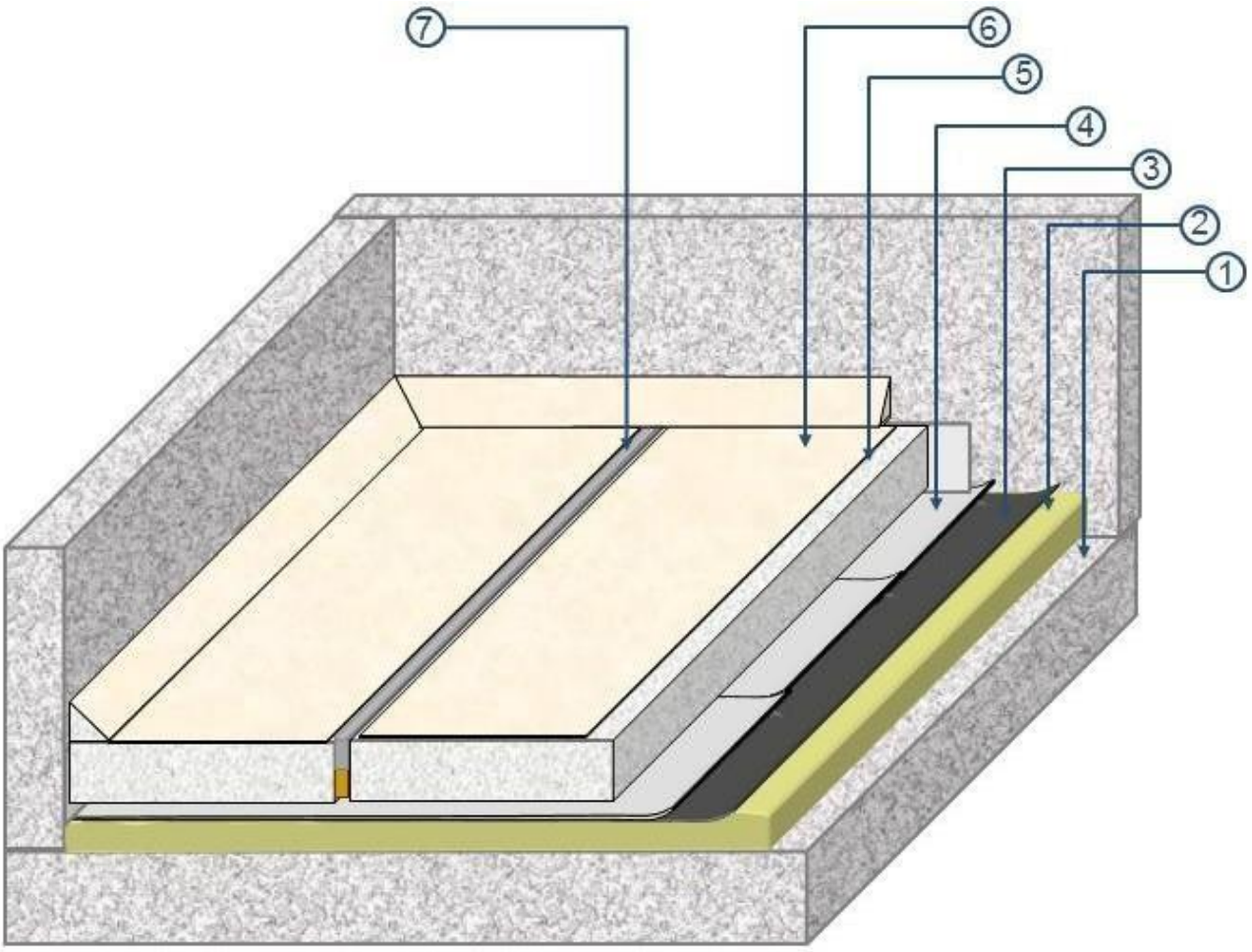


Water test & screed protection works 20 to 25 N opc300+Fibber



SUPER WATERPROOFING Acrylic UV /PU (White/Grey) final TERRECO

SUPER WATERPROOFING Standard Roofing System



1. Roof Slab
2. PU 40 BAYER/BCI
3. RBE POLYBIT
4. Gtex 100-120GSM
5. Sand / Cement Protection Screed
6. FB
7. Acrylic UV RESISTENT TERRECO

Tel.: 06-7484518,Mob:0552303391,swpuae@gmail.com P.O.Box: 15661, Ajman - U.A.E.