



MAA ANNPURNA ENGINEERING

D-39, Benikunj Colony, Raigarh (C.G.)

GSTIN : 22MVXPS8378D1ZI

Mob : 8349332222, 9039514343 | Mail ID : maaannpurnaengineering@gmail.com

Expert in : Core Cutting, Anchoring, Rebaring & Diamond Cutting, Breaking, Water Proofing
Seepage Arrest & Joint Sealing Work Injection Grouting.



MAE-QUOT/24-25/095

DATE : 21-09-2024

TO,
ASTA INFRA PROJECTS PVT LTD,
ACPL VEDANTA SITE,
SINGHITARAI,
DIST : SAKTI, (C.G)

KIND ATTENTION : MR. S ALAM ABIR SIR

Sub : Quotation for Application of Water proofing work in roof with STP Chemicals.

Dear Sir,

As per you enquiry we hereby submitting our rates as below :

BOQ for waterproofing by Polurethane base elastomeric coating system.

ShaliUrethane LHM

Is a single component modified polyurethane base elastomeric waterproof coating. It is an ideal waterproof coating, which forms an elastomeric membrane capable of withstanding small movements of concrete. It has excellent adhesion, breathability and is flexible and non-toxic.

Characteristics:

| | | | |
|-----------------------|------------------------|---------------------------|----------------------|
| Application | Roller / airless spray | Solid Content, % | > 90% \pm 2 |
| Drying Time, Hrs | 24 | Extension after Heat | 6.4 mm (no cracking) |
| DFT | > 1000 micron | Elongation, % | > 700 |
| Water Absorption, | < 0.5 | Hardness Shore, A, number | 40 - 55 |
| Low Temp, Flexibility | No Cracking | Low Temp Crack | No Cracking |
| Adhesion | Concrete Pull Off | Weight Loss, % | 15 \pm 2 |

Dosage: 1.6-1.8 kg per sqm for 1.5 mm thickness

- Surface Preparation • Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air and clean the surface mechanically or by grinding to make it smooth before application. •

Repair all cracks by cutting "V" groove and fill with PMC mortar prepared in the ratio of ShaliSBR latex : Cement : Sand (1:2:5). • Correct honeycomb / other minor surface defects with PMC mortar using ShaliSBR Latex as the bond coat. • Provide fillet 75 mm x 75 mm coving made out of PMC mortar as above, using ShaliSBR Latex as bond coat. • Ensure that the moisture content in the prepared surface does not exceed 5% immediately before application of ShaliUrethane®LHM.

➤ **Material Preparation** • Skin formation may happen on the top of material during humid condition. In that event, cut skin from the periphery of the container and remove it. • Stir ShaliUrethane® LHM by a slow speed mixture fitted with a suitable mixing paddle to ensure a homogenous mix. • After stirring, wait for the product to settle in order to let entrapped air escape. • Use the entire material within 4 hours of opening the container.

➤ **Waterproofing Application** • Prime the surface with, • Single component polyurethane primer ShaliPrime PUM @ 200 ml / m² or • In case anti-root property is desired, anti-root primer-cum-sealer, ShaliPrime WP WB @ 200 gm / m² • Allow the primer to touch dry condition. • Apply 1st coat of ShaliUrethane® LHM @ 800 gm / m² by brush / roller / airless spray while the primed surface is tacky. For faster and smoother application, apply with airless gun. • Spread non-woven geo-textile or Glass Fiber Tissue of 45 GSM with overlaps of 50 mm in Both directions when the surface is still tacky; this is optional, to be assessed as per site requirements to achieve higher mechanical properties.

• Allow 1st coat to dry for 10 - 12 hrs. • Apply 2nd coat of ShaliUrethane® LHM @ 800 gm / m² by brush / roller / airless spray. • Ensure final curing time of 36 hrs. before allowing/carrying out any further work. • Extend water proofing treatment upto 200 mm and terminate into groove on the parapet wall. Fill the groove with PMC mortar. • In case of vertical application, protect the applied liquid membrane • By sprinkling sand @ 200 gm / m² over the final coating when the surface is still tacky to facilitate plastering, and 25 mm plaster admixed with ShaliPlast® IW @ 200 ml / bag of cement.. • In case plastering is desired, sprinkle sand @ 200 gm / m² over the final vertical coating when the surface is still tacky to facilitate screeding

> Ensure provision of slope in the gradient of 1:100 towards drain by laying PCC admixed with integral waterproofing compound, ShaliPlast IW @ 200 ml / bag of cement preferably with galvanized chicken wire mesh. • Conduct ponding test after 7 days of curing at ambient temperature.

BOQ FOR ROOF

| Sr.No. | Description of work | Unit | Qty | Rate | Amount |
|--------|--|------|-----|-------|---------------|
| 1. | Remove old screed , old water proofing layer Cleaning, washing, throw debris and saturation of surface with water. | Sqm | 01 | 120/- | 120.00 |
| 2. | Providing & Applying ShaliUrethane LHM (conforms to ASTM C-836 & ASTM C-898, Solid Content 92% \pm 2, Service Temperature -40 to 100 °C, Elongation 700% \pm 50, as per ASTM D-412) having DFT 1.5 mm . In case anti-root property is desired, anti-root primer-cum-sealer, ShaliPrime WP WB @ 200 gm / m2 | sqm | 01 | 650/- | 650.00 |
| 3. | Providing & laying of concrete screed for maintaining slop thickness upto 75 mm with chicken wire mess | sqm | 01 | 190/- | 190.00 |
| | GRAND TOTAL | | | | 960.00 |

Terms & Conditions :

1. GST @ 18% will be charged extra as applicable.
2. Provided Scaffolding & Platform in client scope.
3. Payment terms : Running submission bill & payment with in 15 days
4. Water & electricity in client scope.
5. Safety and PPE's in Our company scope.

In case of any technical queries or assistance, please feel free to contact Mob. No. 9039514343, 8349332222

Thank You

For,

MAA ANNPURNA
ENGINEERING
RAIGARH (C.G.)

