

	TPO	Waterproofing Chemicals	Tile Chips
Expected Life	10 Years	>5 Years	>5 Years
Surface Preparation	Just sweeping of debris and other removable items	Power washing of the surface area of the roof to remove most of the loose material. Use caution, to as not to damage any interior area due to roof leakage that are inside the building. You may need to roughen the surface. Any large cracks & cervices need to be filled with cement & other materials.	Power washing of the surface area of the roof to remove most of the loose material. Use caution, to as not to damage any interior area due to roof leakage that are inside the building. You may need to roughen the surface. Fill Any large cracks & cervices
Primer	Not Required	Primer needs to be applied before the final coat is applied	Primer needs to be applied before the final coat is applied
Time for erecting of 100 Sq. Mtr.	4-5 Hours	3-4 days depending on the climatic conditions.	5-6 days depending on the climatic conditions.
Aesthetics	Naturally looks clean	Depends upon the workmanship of the labour	Depends upon the workmanship of the labour
Testing	Testing can be done at site immediately after erection	Have to wait for sufficient period for the surface to get dry & no specific recommended fool proof test procedure	Have to wait for sufficient period for the surface to get dry & no specific recommended fool proof test procedure
Climatic condition sustainability	All extreme climate	Grade of materials vary as per climatic conditions	Grade of materials vary as per climatic conditions
Erecting	Can be erected in all weather conditions	Cannot be installed during wet atmosphere	Cannot be installed during wet atmosphere



Advance Waterproofing System,
Keeps The Leakage Away For Years.



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Unprotected concrete cracks dissolves in many areas where there are heavy rains. During winter, water leaks into the unprotected cracks and freezes, which expands substantially further, damaging your concrete building. Mandhana Polymers Pvt. Ltd. Company specializes in the making of special plastic TPO sheets that extend the life of these concrete roofs. These TPO sheets prevent water from seeping by forming a waterproof membrane.

Mandhana Waterproofing are made to take care of your roof waterproofing requirements in any weather conditions. Also enlisted are the features of Mandhana Waterproofing that clearly state the advantages over the existing methods of water proofing procedures which have a limited life period.

The latest step in water proofing has been the evolution of Single-ply Roofing Membranes, flexible sheets based entirely on polymers having exceptional mechanical properties that enable long lasting waterproofing performance even with a single layer of 1.5mm to 2mm. thickness.

Membranes can be manufactured with other weathering packages like fire retardants, UV stability etc, so as to withstand the elements associated with rooftop exposure.

Easy Installations At Low Cost.



Water Proofing membranes are typically installed using mechanical fasteners and plates placed along the edge of the membrane and fastened through the membrane and into the roof decking. Adjoining sheets of membrane are overlapped, covering the fasteners and plates, and joined together with a minimum 40mm wide hot air weld.

Roofing Membrane can be installed by heat welding process. This type of installation is extremely reliable, fast, clean and inexpensive (hot air is the most inexpensive adhesive). No other adhesive is needed for bonding.

Features

- Expected Life: > 10 Years
- High Chem. Compatibility: Yes
- Hot Air Welding: Yes
- Solvent Welding: No
- Single Layer: Yes
- Elongation: >500

- Tensile Strength: >15 Mpa
- Puncture Resistance: High
- Density: 0,92 Kg/dm³
- Color: Any
- Reinforcement: Yes
- Fleece Backed (if demanded): Yes

- Shrinkage (if not reinforced): No
- Sensitive To Extreme Hot/Cold: No
- Expected Life Proportional to The Thickness: No
- Vapor Permeability: No
- Full Range Accessories: Yes



Characteristics

- High Mechanical Resistance
- Resistance To Action of Running Water
- Resistance to Root Penetration
- Flexibility at Low Temperature
- Resistant to Common Parasites
- Resistant to Bursting

Application

- Waterproofing of Foundations
- Foundation & Damp Screen
- Damp Screen for Cellars & Vertical Walls
- Natural & Artificial Tunnels
- Flag Vacuum Systems

Production Standards

- Thickness: 1-1.5-2mm
- Width: 1.25/1.5mtr.
- Length: As per requirement
- Color: As per requirement

Setting Procedure

Totally Independent installation according to the selected stratigraphy
80mm edges overlapping with overlaps welding in dry environment by means of Automatic Welding machine, Hot air welding machine.