

Application Manual

For use on Inclined or Flat Roof

Directly beneath an applied waterproofing layer

Application: Politerm Light Concrete is laid by skilled installers using the base layer method to directly receive a waterproofing layer either liquid (bituminous, acrylic or cementitious) or membrane (bituminous hot or cold applied and/or synthetic).

Intended Use: Flat roofs (with or without slopes) and non-trafficked terraces (inclined roofs), covering corrugated roofing sheets etc.

Minimum Application Thickness: 50mm

Maximum Application Thickness: 500mm

When creating slopes, the minimum thickness must not be less than 50mm

Before applying the waterproofing layer, it is necessary to prepare the surface using one of the following three methods:

1. Abrade the surface using an electric sander fitted with an abrasive disk and dust extraction;
2. Melt the surface beads, using an LPG roofing gas torch;
3. Coating the PLC with slurry of cement + bonding agent + water, (thickness of coating = < 2mm approx.)

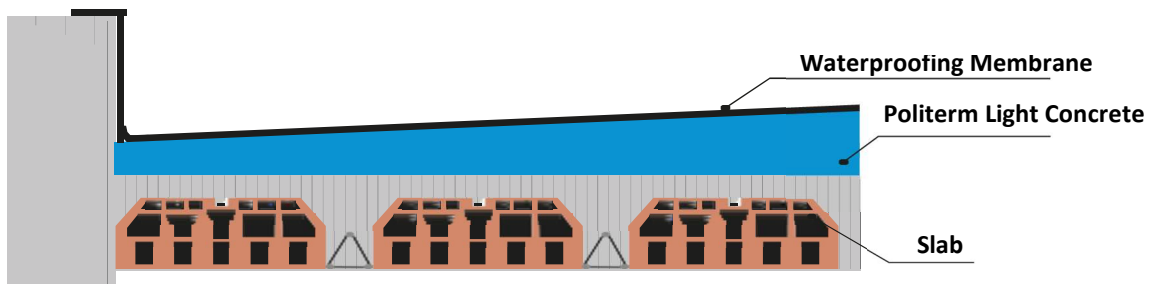
Note: Method 1 & 2 to be employed after 7 days of laying the PLC, Method 3 to be employed after 2 days of laying of PLC.

Warnings and Precautions:

- When laying the PLC any existing structural joint and/or expansion joint in the receiving surface must be maintained and extended up through the PLC.
- Before laying PLC, thoroughly clean the receiving surface.
- When laying on porous or cementitious existing roof, after cleaning the surface and before laying the PLC, wet the surface well but without leaving puddles.
- When laying on a non-porous or waterproof surface, do not wet the surface.
- When required, day joints in PLC should be cast vertically.

- When continuing the pour, the day joints need to be treated with bonding agent.
- The PLC needs to be protected from rain for the first 48 hours after laying.
- The subsequent laying of a heavy screed over the PLC may be possible after a period of 7 days. This period of time may be extended subject to the thickness of the PLC and weather conditions. The installation of the waterproofing membrane on PLC should be strictly in accordance with the instructions of the membrane manufacturers. Solvent based liquid membranes must not be applied on PLC.
- When mixing PLC, strictly follow the dosages and method indicated in the technical sheets, the product packaging and in this manual. Only then can AMNA Politerm Blu guarantee the results and performance claimed.

Flat Roof: Single Layer PLC (with slope)



Pitched Roof: PLC

