

# RIGID POLYURETHANE FOAM SPRAY INSULATION FOR ROOF, WALL ETC. FOR BUILDINGS

Rigid Polyurethane spray insulation is a plural component Polymeric coating are seamless, monolithic, highly rigid that are resistant to water, moisture and chemicals/solvents etc.

Coating shows good adhesion to a variety of substrates including Primed steel, Aluminium and concrete.

## Advantages of using Rigid Polyurethane foam spray insitu for over deck insulation:

- [1] Light weight because the foam density is in the range of 40-50 Kg./M<sup>3</sup>
- [2] Adaptability to irregular surfaces allowing complete filling and sealing.
- [3] No drilling or breaking of concrete is required, as it is applied by High pressure machine by spray method
- [4] The system requires a curing time of only two seconds. Foot traffic can be restored within 30 seconds after spray of insulation on horizontal surfaces and project completion will be faster.
- [6] Easy maintenance and repair.
- [7] Suitable mechanical properties in particular compressive resistance of 280 kpa for foam in the density range of 40-50 Kg./M<sup>3</sup>
- [8] The system provides jointless insitu insulation and hence the 'R' value is higher than any other conventional insulation and having lowest K value of 0.018 Kcal/m.hr.deg.C among all insulation materials.
- [9] Meets the Green buildings requirement of 'R' value economically and cost effectively.
- [10] The material is un-affected by moistures, water and it has excellent resistance to chemicals/solvents

