

Advantages of Polyurethane Foam

SEAMLESS—Sprayed polyurethane foam forms a seamless insulated roofing system which does not allow outside water or air to pass through into the building structure. Regardless of size—10,000 sq ft or 100,000 sq ft—NO SEAMS.

ELIMINATES FLASHING LEAKS—Many roof leaks are caused by faulty flashings. Sprayed polyurethane foam is ideal for flashing parapet walls, roof-mounted equipment and roof penetrations such as vents, pipes, stacks, HVAC equipment, skylights, etc.



ELIMINATES WATER PONDING—When re-roofing, ponding water can be eliminated by adding increased thickness of polyurethane foam in low areas. Building up these areas and sloping the roof so that it drains properly will eliminate ponding water and reduce the load factor on the roof caused by water accumulation.

LIGHTWEIGHT—Polyurethane foam weighs between 2-3 pounds per square foot. One inch of polyurethane foam plus an elastomeric protective top coat weighs, approximately, 60 pounds per 100 square feet. The typical four ply built-up roof system can weigh up to 600 pounds per 100 square feet. This makes a sprayed polyurethane roof system ideal for re-roofing as it is often possible to apply over the existing roof without tear off.

HIGH R-VALUE—Sprayed polyurethane foam has an R-value of 6.8 per square inch which provides more thermal resistance with less material than any other type of insulation.

CHEMICALLY STABLE—Although inert, sprayed polyurethane foam must be protected from the sun by a UV resistant elastomeric coating. This coating is odorless and resists mildew and fungus.



MINIMIZES THERMAL SHOCK—Because a polyurethane foam roofing system is seamless, has a high R-value and is covered by a reflective elastomeric coating, it greatly reduces the thermal shock a building is subjected to because of fluctuating outdoor temperatures.

VERSATILE—Spray polyurethane can be used on new or replacement roofs—flat, pitched, saw-toothed, domed or with any unusual slopes or configurations. It can also be applied to tanks, freezers, coolers, ductwork and various other projects.

RIGID—Polyurethane foam is very light, but also very strong and will not “pack” down or sag.

FLEXIBLE—Polyurethane foam has the ability to withstand a structure’s normal expansion and contraction and will continue to protect from the outside elements.

WATERTIGHT—Polyurethane foam is comprised of billions of closed cells which resist the penetration of water and vapors. This foam must be protected by an elastomeric coating suited for that particular environment.

DURABLE & RENEWABLE— The elastomeric coating can be rejuvenated by the re-application of additional coatings after the initial coating system has weathered after many years of service.

EASY TO APPLY—An *experienced and qualified* polyurethane foam contractor can apply a sprayed polyurethane system in a relatively short period of time with little to no disruption of normal building operations.

EASY TO MAINTAIN— Minor repairs or modifications to a polyurethane system can be made by in-house maintenance personnel at minimal cost with a tube of caulk and caulk gun.



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