



Liquid Roof Coatings; a Good Choice for Roofing Problems

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Hurricane damage to all types of roofs is often quite extensive and an unusual thing you may face. As a result, building codes and wind design guidelines are changing. New solutions to wind uplift problems are being introduced that allow building owners and specifiers to design and build highly durable, standard-compliant and, most importantly, cost-effective roofs, regardless of building location. Roof is as the most important investment of your building, so roofing problems need to be solved within no time delays.

Roof coating is available in an extensive range of materials and colors, each suited to a different style of roofing. Some kinds of *roof coatings* include liquid roof, liquid rubber, elastomeric coatings, acrylic coatings, primers, Eternabond webseal. Whilst some are elastomeric *roof coatings*, others are acrylic resin based. The adhesiveness to your roof can change according to the material your roof is made of. For example, bituminous *roof coatings* will be more adhesive to wood, while metal *roof coatings* can be made of either bituminous or elastomeric roof deck coatings. Depending on the climate you live in and the requirements of your roof and building (residential and/or commercial) which *roof coating* will best suit your roof.

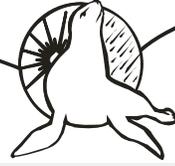
The origins of cold liquid *roof coatings* as we know them today date back to the 1970s. Since their inception they have been tested and proven to be effective repairing materials in the majority of waterproofing specifications, including application over concrete, felt, asphalt, asbestos sheeting and profiled metal sheet.

The products can be used on flat, pitched roofs, balconies and walkways. Being liquid applied, these coatings are highly versatile.

Liquid rubber is a coating that can be applied directly to the surface of aged metal roofs. In several instances, liquid rubber can be applied over mild rust without having to use a primer. Liquid rubber *roof coatings* are not like water-based products in that you can achieve the proper thickness with one coat. Other benefits of the liquid rubber are that it does not require a primer or a base coat, and it can be applied with a sprayer, roller, brush, or spread using roofing squeegee. The only requirement in the use of Liquid Rubber is that you must have a clean deck, free of all dirt and debris. This means

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washing your roof and allowing it to dry before you apply the coating. Allow the coating to dry according to the manufacturer's instructions.

The material factors that influence durability are complex and related to the chemical composition of the liquid constituents, the thickness of the system as well as the type and density of the reinforcement.

Central to the long-term success of liquid-applied waterproofing systems is preparation of the substrate and achieving the required membrane thickness.

By increasing the longevity of roof materials by using cool coatings, organizations can avoid a substantial amount of roofing waste. There are an estimated 11 million tons of asphalt roofing waste going into landfills every year. Using cool coatings can greatly increase the life of existing roof materials and reduce the amount of torn-off roofing waste going into landfills. The roofing waste that remains can be recycled into road mixes using existing processes already operating.

Liquid *roof coatings* that forms the waterproofing layer of an inverted roof should not require replacement during the life of the building, provided it is fully protected from ultra-violet radiation and extreme temperature variations by a loading layer above it.