



"A NASA Technology Spinoff Company"

Roof Guard #2050 Insulating/Waterproofing Roof Coating System



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Description:

Roof Guard is a high-build, 100% acrylic/urethane elastomeric roof coating. Based on the latest chemical technology, **Roof Guard** uses plastic polymer resins, UV and weather resisting pigments, mildewcides, and is fortified with Hy-Tech's **THERMACels™**, insulating microspheres.

Roof Guard is designed to insulate, seal, waterproof, soundproof and protect the roof with a thick, rubber-like, ceramic reinforced shield that expands and contracts with varying hot and cold temperatures, while resisting thermal shock. **Roof Guard** offers superior mildew resistance, UV ray reflectivity, corrosion resistance and results in an attractive finish.

Roof Guard provides an inexpensive, energy saving solution to re-roofing, providing many years of durable protection and outstanding beauty on almost any roofing surface for residential, commercial or industrial applications.

Benefits:

- Forms a waterproofing bond that resists over 100 M.P.H. wind driven rains.
- Ultraviolet reflective pigments protect your roof from the damaging effects of the sun.
- Hy-Tech's blend of **ThermaCels™** provides insulation and the reduction of sound transmission.
- Superior elongation and memory resist thermal shock and bridge cracking
- Mildewcides and bactericides resist the formation of mildew.
- Low VOC formulation; environmentally safe!

Surface Preparation:

Surfaces should be free of anything that will affect the adhesion of the coating. Remove all loose, peeling, blistering, chipping or cracking coatings. Surfaces that are contaminated with oil, grease, dirt, loose paint, etc. shall be cleaned using Hy-Tech's **House Wash**. If chemical cleaning is not necessary, blow, vacuum, or sweep roof to remove dirt, dust, and other debris.

Primer:

New wood surfaces: Should be primed with Hy-Tech's **#SR1220 Bond-It**; must be allowed to dry before applying the coating.

New metal surfaces: Prime with one coat **#15 Aqua Prime**

Rusty Metal: Treat with a rust converter of your choice and then prime with **#18 Metal Prime**

New concrete or clay tile: Hy-Tech's **#SR1220 Bond-It**.

Previously painted surfaces: If powdering or chalking comes off when rubbed, than a coat of Hy-Tech's **#SR1220 Bond-It** should be applied after pressure washing.

Spray Application: Sprayer must be able to pump at least one gallon per minute! Remove all filters from the sprayer and use a tip size of .030-.040

*When applied according to Hy-Tech's specifications for flat roofs, **Roof Guard** will hold ponding water, seal and prevent most leaks, as well as reflect the heat off of the surface. Hy-Tech Thermal Solutions, LLC offers a 10 Year Limited Warranty on sloped roofs and a 5 Year Limited Warranty on flat roofs against chipping, cracking and peeling.*

KEEP FROM FREEZING
Do not apply when temperatures are below 50°F.
Coatings should only be applied when ventilation is adequate.

CAUTION! KEEP OUT OF REACH OF CHILDREN.

DO NOT TAKE INTERNALLY. CLOSE CONTAINER AFTER EACH USE.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use of this product are beyond our control. Neither Hy-Tech Thermal Solutions, LLC nor our agents shall be responsible for the use or results of use of this product or any procedures or apparatus mentioned. We recommend that the prospective user determine the suitability of the product for each specific project and for the health and safety of personnel working in the area. For information on safety hazards associated with this product please refer to MSDS sheets.