



TECHNICAL INFORMATION: SY-800/RG/IDBD

ECO-FRIENDLY INSULATING PAINT

SYLPYL 800

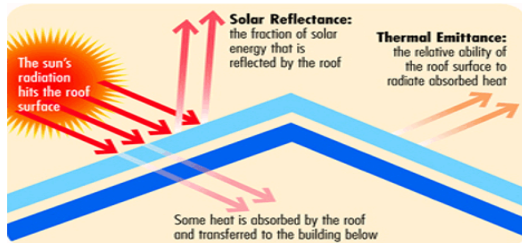
High Performance Elastomeric Ceramic Polymer Insulating Paint.
100% Acrylic. Water Based. Cool roof coating.

Don't Just Paint Insulate!

Commercial Name: **THERM-O-PROOF**

GENERAL INFORMATION

SYLPYL 800 THERM-O-PROOF constitutes a thermal insulator, that is, it reduces heat transmission through walls and ceilings with a significant insulation coefficient. This action leads to significant savings in electrical energy used for air conditioning and/or to maintaining a more comfortable environment within its buildings (Cool Roofs), thus eliminating the production of enormous quantities of greenhouse gases. Nano space technology of the 21st century has allowed us to develop this excellent long-lasting product. Paint with SYLPYL 800 and enjoy a more comfortable environment. Excellent insulation for sheds and warehouses, sheet or asbestos cement roofs and mobile homes (RVs). The product has excellent "Solar Reflectance" (ASTM C 1549-09-2014) and excellent and tested under "Thermal Emissivity" (ASTM C 1371-15). Meets ASTM D-6083-24. Class A fire rated.



ADVANTAGES

- υ HIGH FLEXIBILITY υ EXCELLENT WATERPROOFING υ SAFE AND NON TOXIC, WATERBASED υ RESISTS MILDEW AND MOLD υ ENERGY SAVING RADIANT HEAT BARRIER υ EFFECTIVE IN HOT AND COLD CLIMATES υ REDUCES HEATING AND COOLING. υ GIVES AN EXCELLENT INSULATION VALUE MAINLY IN WHITE υ MANY MORE YEARS PROTECTION THAN TRADITIONAL PAINT υ IDEAL FOR ALL RESIDENTIAL AND COMMERCIAL PAINT APPLICATIONS υ USE FROM THE INSIDE OR OUTSIDE.
- υ NATURAL WHITE COLORS INCREASE THE INSULATION VALUE GREATLY.

1

PRODUCT SPECIFICATIONS

PRODUCT: SYLPYL 800 "THERM-O-PROOF"

TYPE: One component ready to use elastomeric ceramic polymer coating. 100% Acrylic. Water based.

VOC: Negligible.

COLORS: White. Whites give better insulating values.

COVERAGE: 80 to 120 sqft per gallon (8-10 square meters).

RECOMMENDED NUMBER OF COATS: Two coats.

80 sqft per one gallon gives 10-12 mils dry film thickness.

Higher thickness gives better insulating values.

RECOMMENDED PRIMER: In concrete surfaces, before the application of SYLPYL 800 apply one or two coats of SYLPYL 757 waterproofing membrane as primer. This assures the highest bonding of the next coats of "800" and acts as a sealer for micrometric pinholes and hairline cracks.

DRYING TIMES AT 22°C (72°F):

TO TOUCH: 30 Minutes

TO RECOAT: 60 Minutes

HARD DRY: 24 hours. At higher temperatures drying times may be reduced. Do not apply if freezing temperatures will happen, before material is cured.

FINAL CURE: 15 days.

SHRINKAGE: Negligible.

THINNER: None. Do not thin this product. Thinning could change its properties.

THINNER FOR CLEANING: Water.

SURFACE PREPARATION: Surface must be clean, dry, structurally sound and free from grease, dirt, dust, curing and release agents and any kind of contaminants. Unsound surfaces must be repaired. Loosely adhering paint must be completely removed by scrapping, pressure washing or other mechanical means. Cracks must be routed and caulked.

APPLICATION: Apply uniform coating with roller or spray.

IDEAL: Airless spray (Use larger tip < .017" TO .025"> Remove in-line filters or use 30 mesh).

SHELF LIFE AT 22° C (72° F): 12 months in closed containers. Avoid freezing temperatures.

PACKAGING: 4 liter and 19-liter pails.

"Promoting Energy Efficient Solutions"

THE RECOMMENDATIONS MADE HEREWITH AND THE INFORMATION SET FORTH WITH RESPECT TO THE PERFORMANCE OR USE OF OUR PRODUCTS ARE BASED ON OUR OWN RESEARCH, FROM LABORATORY TESTS WHICH ARE BELIEVED, BUT NOT WARRANTED, TO BE ACCURATE. THE PRODUCTS DESCRIBED ARE SOLD, WITHOUT WARRANTY, AS TO FITNESS OF PERFORMANCE, EXPRESSED OR IMPLIED, AND UPON CONDITION THAT PURCHASERS SHALL MAKE THEIR OWN TESTS TO DETERMINE THE SUITABILITY OF SUCH PRODUCTS FOR THEIR PARTICULAR PURPOSES. LIKEWISE, STATEMENTS CONCERNING THE POSSIBLE USES OF OUR PRODUCTS ARE NOT INTENDED AS RECOMMENDATIONS TO USE OUR PRODUCTS IN THE INFRINGEMENT OF ANY PATENTS OR THE INDORSEMENT OF PRODUCTS OF SPECIFIC MANUFACTURERS. WE DO NOT ASSUME ANY LIABILITY OR RESPONSIBILITY OF THE PRODUCT RELATIVE TO COVERAGE, PERFORMANCE, INJURY OR DAMAGE RESULTING FROM ITS USE. PRODUCT INFORMATION MAY CHANGE WITHOUT PREVIOUS NOTICE.

3208 Industrial 31 St, Fort Pierce, Florida 34946 USA Phone: (321) 398-0966

E-mail: sales@sylpyl-usa.com

Visit us at: www.sylpyl.com ISO 9001-2015 & ISO 14001-2015 Certified Company



TECHNICAL INFORMATION: SY-800/RG/IDBD

ECO-FRIENDLY INSULATING PAINT

SYLPYL 800

High Performance Elastomeric Ceramic Polymer Insulating Paint.

100% Acrylic. Water Based. Cool roof coating.

Don't Just Paint Insulate!

Commercial Name: **THERM-O-PROOF**

PHYSICAL PROPERTIES	TEST METHOD	OBSERVATIONS
Non-Volatile Solids	ASTM D 1353	By weight: 51.1% By volume: 56.6%
Viscosity	ASTM D 562	Stormer – Krebs Units: 115-127
Package Stability		12 months - after opening: no setting or other undesirable effects. Materials completely dispersed after stirring
Abrasion Resistance	ASTM D 4060 Taber 17 Wheel – 100 grams – 1000 cycles	Weight loss in grams: Sylpyl 800:40 g Very Good
Impact Resistance	ASTM D2794	110 inch-pounds of impact with no break in the film surface. Typically, 20 inch-pounds of impact is considered to be a high performance test result.
Flexibility	ASTM D 522	Withstood deformation of 1.5" (38mm) to 1/8" (3.2 mm) on a metal substrate with no loss of adhesion, cracking, chipping or flaking (mandrel test)
Elongation	ASTM D 2370	12 mils (0.3 mm) dry film thickness stretched 160 % with 100 % full memory retention. (This was the full extent of the elongation and the film never broke)
Hardness	ASTM D 2240. Shore D	16 – 18 (120 days cured)
Moisture Vapour Transmission	ASTM D 1653	21.0 perms. A "perm" is a unit of measure expressing a coating's ability to allow vapour to pass through the film, or its "ability to breathe". The lower the "perm" rating, the more likely the coating will blister over time. Very Good.
Artificial Weathering	ASTM D 5031 – Carbon Arc Weatherometer 400 hours (cycle 102/18)	After weatherometer testing (simulated rain, heat, ultra-violet ray and normal weather cycling) the coating showed no evidence of chalking, blistering or peeling, cracking and only slight yellowing of the 100% titanium dioxide white color.
Salt Spray	ASTM B 117 100% condensing 5% salt fog at 95° F (35° C)	360 hours (15 days) with no evidence of film deterioration, blistering or peeling from substrate (250 hours required to pass Federal Specifications).
Toxicity	FTMS – 141 Method 5111	Material is non-toxic & requires no special ventilation during application. Contains no materials considered to be health hazard.
Flammability	ASTM D 1360 – DOT-MVSS 302	In container: Non-flammable On concrete: Self-extinguishing - does not support flame spread.
Fungus Resistance	FTMS 141 – Method 6271	No fungus growth when material tested in an environment of three organisms.
Solar Reflectance	C1549-09	Initial 85.8% Average. After 3 Years 69.07 % -Very Good.
Thermal Emissivity	C1371-15	0.88 Average After 3 years 0.89-Very Good.

THE RECOMMENDATIONS MADE HEREWITH AND THE INFORMATION SET FORTH WITH RESPECT TO THE PERFORMANCE OR USE OF OUR PRODUCTS ARE BASED ON OUR OWN RESEARCH, FROM LABORATORY TESTS WHICH ARE BELIEVED, BUT NOT WARRANTED, TO BE ACCURATE. THE PRODUCTS DESCRIBED ARE SOLD, WITHOUT WARRANTY, AS TO FITNESS OF PERFORMANCE, EXPRESSED OR IMPLIED, AND UPON CONDITION THAT PURCHASERS SHALL MAKE THEIR OWN TESTS TO DETERMINE THE SUITABILITY OF SUCH PRODUCTS FOR THEIR PARTICULAR PURPOSES. LIKEWISE, STATEMENTS CONCERNING THE POSSIBLE USES OF OUR PRODUCTS ARE NOT INTENDED AS RECOMMENDATIONS TO USE OUR PRODUCTS IN THE INFRINGEMENT OF ANY PATENTS OR THE ENDORSEMENT OF PRODUCTS OF SPECIFIC MANUFACTURERS. WE DO NOT ASSUME ANY LIABILITY OR RESPONSIBILITY OF THE PRODUCT RELATIVE TO COVERAGE, PERFORMANCE, INJURY OR DAMAGE RESULTING FROM ITS USE. PRODUCT INFORMATION MAY CHANGE WITHOUT PREVIOUS NOTICE.

3208 Industrial 31 St, Fort Pierce, Florida 34946 USA Phone: (321) 398-0966

E-mail: sales@sylpyl-usa.com

Visit us at: www.sylpyl.com ISO 9001-2015 & ISO 14001-2015 Certified Company