

Thermal Coating - Tekton® 88

Tekton® 88 A water based Polymeric Coating with ceramic microsphere technology engineered to provide thermal insulation. Additional benefits: noise dampening and corrosion protection (can be used as automotive undercoating). A properly applied coating can deliver up to 9 C / 16 F temperature differential.

Application:

TK88 can be applied with an undercoating gun (Chemical RA/88 recommended), airless gun (2000-2500 psi with 0.20 to 0.35 tip), roller or brush. It has excellent adhesion on clean surfaces i.e. carbon steel, aluminum, galvanized metal, wood, fiberglass, concrete as well as on most industrial primers and automotive paints. Always test before applying. Can be used in engine compartments and fire walls. Ideal for insulating roofs and walls of refrigerated trucks, building roofs, roll-up doors, RV's, etc. Always apply the coating facing the heat source.

Features:

- Easy to apply: shake and paint. No mixing required.
- Quick air drying without vapor emissions, over sprays or solvents.
- Nonflammable, not combustible (FMVSS 571.302 Flammability test)
- Thermal conductivity: $k = 0.049 \text{ W/mk}$
- High resistance to acids and alkalis
- Corrosion protection: ASTM B-117 (1000 hours bare metal @ 500 microns)
- Available in Black and White.
- Leaves a textured finish that can be painted.
- High thixotropy guarantees drip free application.
- Long lasting elasticity.
- Excellent UV resistance.
- Clean up with water (when TK88 is still wet) or mechanically when dried.
- Has Flame retardant properties.

Recommendations for Use:

- Engine compartments
- Fire Walls
- As undercoating for vehicles against heat exposure from road surfaces.
- Roofs and walls of refrigerated trucks *. Roofs and walls of buildings
- Roll-up warehouse and garage doors

Safety Precautions:

- Use only outdoors or in well ventilated areas.
- Use proper protective eyewear and clothing.
- See SDS/product label for the latest safety precautions.

Storage:

- Do not freeze and do not store under direct sunlight. Unopened container: 1 year shelf life stored between 40 -75 F.

Specifications

Water based polymers	Aqueous synthetic dispersion, fillers and additives
Consistency	Viscous, good sag resistance
Specific Density (20 ° C)	1.2G/cm ³
Brookfield Viscosity at 25 ° C, Spindle N°7	At 5 RPM (24.000-40.000 cps); at 50 RPM (4000 - 10.400 cps)
Thixotropy:	5 or more
Shore Hardness A:	95-98
Gravel Resistance at 20 mils wet film thickness SAE-J400 5 pint @ 70psi, 45°	Pass (10)
Salt Spray ASTM-D117, at 20 to 40 mils wet film thickness : 1000 Hours on clean bare metal	Pass
Initial Adhesion ASTM-D3359	Pass
UV exposure ASTM G 154 (7 to 9 days)	Pass: No visible blistering, discoloration, loss of adhesion
Fluorescent Light bulb exposure (15 W G15T8)	Pass: No visible blistering, discoloration, loss of adhesion
Usage	1 bottle (1 QT) covers 10- 12 sq. Ft.
Color	Black, White.

Resistance:

(Vapors or splash. Not recommended for immersion.)

Acids: Very Good

Alkalis: Very Good

Salts: Excellent

Solvents: Regular to Good

Oils: Regular to Good

Moisture: Excellent

Weathering: Excellent

Gravel: Excellent

Abrasion: Very Good