

TECHNICAL DATA SHEET

THERMOTEK™ DURAMASTIC

PROFESSIONAL GRADE
ELASTOMERIC ROOF COATING
COMPLEMENT

DESCRIPTION

THERMOTEK™ DURAMASTIC is an elastomeric acrylic paste-like consistency mastic, manufactured with acrylic resins, selected pigments, synthetic fiber reinforcements and high quality chemical components designed to be applied into vertical seams on metal roofs, around flashings, drains and protrusions.

PROPERTIES

Physical Property	Test Method	Result
Appearance	INTERNAL	PASTE-LIKE TEXTURE
Type	INTERNAL	ELASTOMETRIC ACRYLIC SEALER
Color	INTERNAL	WHITE
Solids by weight, %	ASTM D-2369	70 +/- 2
Solids by volume, %	ASTM D-2697	64 +/- 2
Viscosity, WKS	ASTM D-217	265-295
Density lb/gal (gr/ml)	ASTM D-1640	12.2 +/- 0.5 (1.46 +/- 0.02)
Drying time for water resistance	ASTM D-1640	6 HOURS
Total drying time	ASTM D-1640	7 DAYS
Fungus resistance	ASTM-G21	APPROVED
Elongation, %	ASTM D-2370	≥ 500
Accelerated weathering	ASTM D-G53	NO DELETERIOUS EFFECTS AFTER 2,000 HOURS

SURFACE PREPARATION

For coating, the surface must be clean and dry, this means to be free of any: oil, grease, dirt, water, ponding conditions and/or debris (pressure washing is recommended). Prior application, the surface must be prepared and verified for compatibility, if there is any loosely adhered coating this must be mechanically removed. If some areas hold excessive ponding water, they must be brought into conformance by installing proper drains. New asphalt shall be exposed to environmental conditions between 90 to 120 days before coating. Rusted areas shall be mechanically abraded to remove rust and then primed with THERMOTEK™ METAL PRIMER (deteriorated metal shall be replaced). Perform a coating adhesion test on different sections of the roof before doing the entire job.

APPLICATION TOOLS

THERMOTEK™ DURAMASTIC can be applied by caulking gun, brush, trowel and putty knife.

APPLICATION METHOD

The surface must be clean. Any primers that are going to be applied should be applied prior to application. For installation, apply sufficient quantity of THERMOTEK™ DURAMASTIC to completely seal the seam or crack being treated, extending it from 1 to 2 inches on each side of the opening. On vertical roof seams (metal roof decks), it should be applied with a brush or flat trowel, on horizontal surfaces, it should be applied to a thickness of approximately 70 mils at 4 inches wide. For crack repairs in concrete, apply THERMOTEK™ DURAMASTIC in multiple coats. *NOTE: Refer to our application guide for detailed instructions.*

PACKAGING

5-gal bucket.

CAUTION

THERMOTEK™ DURAMASTIC should not be installed over cold storage tanks or buildings where a vapor barrier is required. THERMOTEK™ DURAMASTIC will freeze at temperatures below 32 °F (0 °C). Cool temperatures and humid weather retard the cure which requires a complete evaporation of water. Do not apply if weather conditions as rain, dew, fog and/or freezing temperatures will not permit the complete cure. THERMOTEK™ DURAMASTIC should never be exposed to ponding conditions. For better energy savings it should be cleaned yearly. *NOTE: for proper handling refer to MSDS. For specific information on safety requirements refer to OSHA guidelines.*



ELASTOMERIC COMPLEMENT

USAGE

THERMOTEK™ DURAMASTIC forms a durable, weather resistant "rubber-like" seal used to prime and seal: penetrations, skylights, seams, sealing holes, etc over concrete, metal and wood surfaces, sprayed polyurethane foam and other substrates.

ADVANTAGES

- Is environmentally friendly, non flammable.
- Is lightweight and spreadable consistency.
- Has excellent resistance to weathering.
- Contains a strong mildewcide / fungicide.

APPROVALS AND CERTIFICATIONS



STORAGE

This product should be stored closed in a cool and dry place, preferably roofing. The storage temperature should be greater than 41 ° F (5 ° C) and below 113 ° F (45 ° C). Shelf maximum storage is two years.

We as THERMOTEK GROUP guarantee that since our products are shipped from the production plant they will be free of manufacturing defects; all the recommendations contained herein follow tests we consider as reliable and are subject to change without prior notice. THERMOTEK GROUP does not assume any responsibility for coverage, performance on injuries resulting from storage, handling or use of our products. Liability, if any, is limited to product replacement, to the terms stated within the executed warranty. TDS V4 - 2016.04.

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