



# ELASTO-SHIELD® TG SERIES 265

## PRODUCT PROFILE

**GENERIC DESCRIPTION** Modified Polyurethane

**COMMON USAGE** A trowel-grade compound for use with Elasto-Shield products. Used to fill and repair cracks, bugholes, spalled or otherwise damaged concrete, masonry and asphalt. Also used for sealing the edges of faying surfaces, sealing seams, filling pits and encapsulating rivet and bolt heads on the interior of steel tanks.

**COLORS** Black

**SPECIAL QUALIFICATIONS** **Underwriters Laboratories Inc.®** certified to **Standard ANSI/NSF 61** for use in potable water storage; **UL File No. MH18288**. Maximum contact area is: 20 cm<sup>2</sup> per litre of water, with minimum allowable size of tanks 5,000 gallons; cold water applications.

**PERFORMANCE CRITERIA** Extensive test data available. Contact your Tnemec representative for specific test results.

## COATING SYSTEM

**ADHESION PROMOTER AND PRIMER**

**Steel:** Self-priming or Series 20, FC20, 66, N69, N140, 161, V260  
**Glass and Fiberglass:** Series V260  
**Concrete:** Series 20, FC20, 66, N69, N140, 161  
**CMU:** Series 20, FC20, 66, N69, N140, 161  
**Note:** The use of a primer will greatly reduce the natural tendency of concrete and CMU to outgas - a frequent cause of polyurethane topcoat bubbling. Also, Series 20, FC20, 66, N69, N140 or 161 exterior exposed more than one week must first be scarified or reprimed with themselves. Brush blasting with fine abrasive is the preferred method of scarification. See also **Caution** statement at APPLICATION.

## SURFACE PREPARATION

**STEEL** **Immersion Service:** SSPC-SP10 Near-White Blast Cleaning  
**Non-Immersion Service:** SSPC-SP6 Commercial Blast Cleaning

**CONCRETE** Allow new cast-in-place concrete to cure a minimum of 28 days at 75°F (24°C). Verify concrete dryness in accordance with ASTM F 1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" (moisture vapor transmission should not exceed three pounds per 1,000 square feet in a 24 hour period), F 2170 "Standard Test Method for Determining Relative Humidity in Concrete using in situ Probes" (relative humidity should not exceed 80%), or D 4263 "Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method" (no moisture present). **Note:** The testing listed above cannot guarantee avoidance of future moisture related problems particularly with existing concrete slabs. This is especially true if the use of an under slab moisture vapor barrier cannot be confirmed or concrete contamination from oils, chemical spills, unreacted silicates, chlorides or Alkali Silica Reaction (ASR) is suspected.

Prepare concrete surfaces in accordance with NACE No. 6/SSPC-SP13 Joint Surface Preparation Standards and ICRI Technical Guidelines. Abrasive blast, shot-blast, water jet or mechanically abrade concrete surfaces to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide a minimum ICRI-CSP 3 or greater surface profile. Large cracks, voids and other surface imperfections should be filled with a recommended filler or surfacer. **Note:** For horizontal applications, if moisture content exceeds 3 lbs per 1,000 sq ft or relative humidity is in excess of 80%, Series 208 or 241 may be substituted for the primer. Refer to the Series 208 or 241 product data sheet for more information.

**ALL SURFACES** Must be clean, dry and free of oil, grease, form release agents, curing compounds/membranes, sealers, hardeners and other contaminants.

## TECHNICAL DATA

**VOLUME SOLIDS** 89.0 ± 2.0% (mixed)

**RECOMMENDED DFT** Trowelled: 50 to 125 mils (1270-3175 microns)  
 Filling and Patching: Up to 1/4" (6.4 mm) deep

CURING TIME	Temperature	Recoat Window †
	75°F (24°C)	3 hours

Curing time varies with air & substrate temperature, air movement, humidity and film thickness. † **Note:** Scarify the surface and apply a coat of Series V260 Tnemec-Bond before recoating if the maximum recoat time has been exceeded. Refer to Elasto-Shield Application Guide.

**VOLATILE ORGANIC COMPOUNDS** 0.74 lbs/gallon (88 grams/litre)

**THEORETICAL COVERAGE** See APPLICATION for coverage rates.

**NUMBER OF COMPONENTS** Two—Liquids: Part A and Part B

**PACKAGING** KIT CONSISTS OF:

	PART A (Partially filled)	PART B (Partially filled)	When Mixed
Small Kit	1 gallon can	1 pint plastic bottle	0.794 gallons (3.0L)

**NET WEIGHT PER GALLON** 8.24 ± .25 lbs (3.74 ± .11 kg) (mixed)

**STORAGE TEMPERATURE** Part A: Minimum 20°F (-7°C) Maximum 110°F (43°C)  
 Part B: Minimum 70°F (21°C) Maximum 95°F (35°C)

**TEMPERATURE RESISTANCE** (Dry) Continuous 200°F (93°C) Intermittent 250°F (121°C)

**SHELF LIFE** 24 months at recommended storage temperatures.

**FLASH POINT - SETA** Part A: 101°F (38°C) Part B: >250°F (121°C)

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**HEALTH & SAFETY** This product contains chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.  
**Keep out of the reach of children.**

## APPLICATION

**COVERAGE RATES** Before commencing, obtain and thoroughly read the Elasto-Shield Surface Preparation and Application Guide.

(Per Gallon)

Trowelling at 1/8" 12.8 sq ft/gal (1.2 m<sup>2</sup>/gal)

Patching/Filling at 1/4" 6.4 sq ft/gal (0.6 m<sup>2</sup>/gal)

**Caution: Do not apply when surface temperature is below 50°F (10°C); material temperature at time of application must be a minimum of 60°F (16°C).**

**MIXING**

Use a 1/2" (5.5 amp) variable speed drill with a drywall mud or plaster mixing blade. Slowly mix the entire contents of Part A in the pail supplied. While continuing agitation, slowly add the entire contents of the Part B jug and mix for 3 minutes. **Note:** Do not vary these directions. Also, these materials are packaged by weight and the ratio of Part A and Part B should not be altered. Refer to the Elasto-Shield Application Guide for additional information.

**THINNING**

Not recommended.

**POT LIFE**

30 minutes at 60°F (16°C)    15 minutes at 75°F (24°C)    10 minutes at 90°F (32°C)

**APPLICATION EQUIPMENT**

Trowel: For large areas

Putty knife, broad knife and pointing trowels: For patching and filling cracks and holes.

**SURFACE TEMPERATURE**

Minimum 50°F (10°C)    Maximum 120°F (49°C)

To avoid outgassing, concrete temperature should be stabilized or in a descending temperature mode. Material should not be applied in direct sunlight.

**CLEANUP**

Flush and clean all equipment immediately after use with MEK.

**CAUTION**

All material, equipment, air supply and surfaces to be coated must be kept dry. Do not apply when wet weather or wet conditions may occur within 4 hours of application. Refer to the Elasto-Shield Application Guide for further instructions.

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