

# MONARFLEX

## SUPER T-PLUS FLAMESAFE

### REINFORCED SCAFFOLD SHEETING



#### Commercial Product Data Sheet

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#### **Product Description**

Monarflex Super T-Plus Flamesafe is a reinforced flame-retardant scaffold sheeting attached to scaffolding framework to provide site protection. Designed for use at high risk construction sites, Monarflex Super T-Plus Flamesafe provides job site material containment and weather protection with the added benefit of no flame propagation in the event of fire. It also provides enclosure for storage areas and the worksite perimeter, and debris containment for improved safety.

#### **Product Benefits**

- Prevents flame propagation; is self-extinguishing.
- Provides jobsite material containment.
- Surrounds storage areas.
- Encloses site and work areas at perimeter.
- Protects public from jobsite debris.
- Custom branding available.

#### **Applicable Standards, Related References**

- ASTM D 882 - Test Method For Tensile Properties of Thin Plastic Sheeting.
- ASTM E 96 - Test Method for Water Vapor Transmission of Materials.
- NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.
- Building Research Est. Ltd. - Fire & Risk Sources, Div. #210780.
- Boston Flame Test - Boston Fire Department.

#### **Quality Statements**

Product is manufactured at an ISO 9001 - 2002 Certified facility.

Mock-up: A site-built mock-up may be desirable to confirm that:

- An assembly of sheeting and adjacent materials will achieve results desired.
- Adjacent affected materials and work will interface successfully.

#### **Packaging**

Sheeting materials: Individually wrapped rolls.

Accessory materials: In labeled containers.

#### **Material**

Composition: Low density virgin polyethylene (LDPE), interlayer of polyester multi-filament mesh.

Grommets: Molded plastic discs, fused with sheeting, with hole for attachment insertion or anchoring sheeting.

#### **Measurements**

Thickness: 8 mil (0.2 mm)

#### Roll Sizes:

- 13 ft x 157 ft (4 m x 47.2 m)
- 7 ft 4 in x 137 ft (2.2 m x 41.8 m)

#### Weights:

- 13 ft roll: 104 lb (47 kg)
- 7 ft 4 in roll: 54 lb (24 kg)

#### **Accessories**

- Monostud & Cable Tie: Used to fix sheet to scaffold for a tight seal at the grommet puncture site.
- Polytoggle and Wedge: Fixed into grommets to join sheets with a tight seal (when used with straps).
- Monobond: Double-sided sealant tape for air and watertight joints and laps.
- Anchor and Strap: A two-piece connector used when high wind resistance is required.
- Flexitie: A strong and flexible fixing from the grommet to the scaffold.
- Vents: Two-piece unit used to allow control of air flow at selected locations.
- Door Panels: Cream colored, with built-in zipper. Allows easy access to site.

#### **Color & Texture**

Cream, fiber mesh reinforced/embossed.

#### **Preparation Work**

- Prepare scaffolding to receive sheeting.
- Do not utilize components or accessories unacceptable to sheeting manufacturer.
- Remove items that may damage sheeting.



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#### TECHNICAL DATA

Property	Test Method	Results
Elongation	ASTM D 882	14.5%
Tensile Strength*	ASTM D 882	MD 8,571 psi TD 9,988 psi
Tear Strength		53 lb/force
Light Transmission		70%
Flame Retardant	NFPA 701 (Test Method 2)	Passed
Reinforcement		1670 Dtex
Eyelet Pullout Strength		208 lb/force
Thermal Stability		-40°F to 140°F (-40°C to 60°C)
UV Resistance		Very good

\*MD = Machine Direction. TD - Transverse Direction.

#### Application

- Always follow all OSHA safety guidelines.
- Roll out sheeting to minimize wrinkles and folds.
- Overlap grommets, edges, and ends a minimum 6 inches (150 mm).
- Fasten sheeting to scaffolding using Flexities, Cable Ties and Monostuds, or Polytoggles and Wedge. For high wind and resistance, fasten sheeting to scaffolding using Anchor and Strap.
- Seal laps and joints as required, using Monobond double-sided sealant tape.
- Join sheets using preferred fastening system.
- Install vents where air flow is required.
- Install door panels where access is required.

#### Coverage

13 ft (4 m) wide rolls:

Covers approximately 2,041 sq ft (187 sq m), less lap allowance.

7 ft 4 in (2.2 m) wide roll:

Covers approximately 1000 sq ft (93 sq m), less lap allowance.

#### Limited Warranty

Siplast warrants this product to be free of defects in workmanship and materials only at the time of shipment from our factory. If any Siplast materials prove to contain manufacturing defects that substantially affect their performance, Siplast will, at its option, replace the materials or refund its purchase price.

This limited warranty is the only warranty extended by Siplast with respect to this material. There are no other warranties, including the implied warranties of merchantability and fitness for a particular purpose. Siplast specifically disclaims liability for any incidental, consequential, or other damages, including but not limited to, loss of profits or damages to a structure or its contents, arising under any theory of law whatsoever.

The dollar value of Siplast's liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the Siplast material in question.