

## DESCRIPTION

### MULTI-PURPOSE MOISTURE-CONTROLLING MEMBRANE

Treadstone® Technical Felt is a reinforced, durable, leak-proof, vapor retarding membrane that speeds the preparation of subfloors that would otherwise require extensive mechanical preparation or repair before the installation of poured underlayments and self levelers. Technical Felt's double-layer polypropylene construction provides protection for the existing subfloor from moisture and eliminates many underlayment adhesion issues due to the presence of absorbed oils and solvents in the subfloor. Technical Felt also provides floor protection for cured underlayments and finished floor goods.



#### Renovation:

- Reduces preparation time and labor
- Protects wooden/porous subfloors from moisture during the pour
- Eliminates the need to chemically or mechanically remove many absorbed chemicals and oils from subfloors
- Permanently slows moisture vapor transmission
- Reinforces and increases the tensile strength of hydraulic cements
- Used in tenant build-outs, provides floor protection and reduces future labor during remodeling tear-out
- Excellent tear and chemical resistant floor protection for underlayments and finished surfaces

#### Waterproofing Systems

- Use in place of roofing felt as an underlayment when preparing breezeways and landings for wear surface installation
- Provides additional protection to waterproofing and sub-assemblies during routine maintenance and power-washing

#### Prescient® Structural Systems:

- Covers and seals the metal deck quickly
- Eliminates the need to individually identify and contain any voids, seams or pre-drilled penetrations in the metal deck
- Ideal for application in "soft-surface" areas where a sound-attenuation mat is not needed
- Provides a leak-proof surface eliminating concerns of gypsum leaking to floors below
- Installs quickly and easily with minimal tools
- Durable material resists rips and tears during application of the gypsum underlayment
- UL approved to remain as part of the fire-rated assembly

## PHYSICAL PROPERTIES

Raw Material			Polypropylene	
Color			Gray	
Weight	oz/yd <sup>2</sup>	±12%	4.42	EN 1849-2
Tensile Strength	lbs/ft	±15%	486	EN 12311-2
Tensile Strength CMD	lbs/ft	±15%	322	EN 12311-2
Elongation	%	±15%	18	EN 12311-2
Elongation CMD	%	±15%	15	EN 12311-2
Tear Strength	lbs	±20%	74	EN 12310-2
Tear Strength CMD	lbs	±20%	83	EN 12310-2
Vapour Permeability	in (m)	±20%	590.5 (15)	EN 1931 / EN 12572
Water Penetration	Class		W3	

#### PACKAGING

Roll Length	ft	164
Roll Widths	in	45.2
Roll Coverage	ft <sup>2</sup>	800
Rolls/Pallet		30

## INSTALLATION

### SURFACE PREPARATION

Clean and remove all foreign matter from surface of subfloor. Surface must be dry when installing technical felt as an underlayment mebrane. Technical Felt may be loose laid over the surface of finished underlayment and flooring as a protective layer.

### APPLICATION

Treadstone® Technical Felt is to be installed by a qualified Treadstone® Dealer. Technical Felt is loose laid on the subfloor with seams tightly abutting. Technical Felt should extend up the intersection of any perimeter walls by a minimum of 1/4" above the surface of the poured gypsum underlayment, providing seamless perimeter isolation. Technical Felt may be affixed to walls using an approved fastener above underlayment pour depth. Seal all seams on abutting edges of Technical Felt that will be exposed to the underlayment with Treadstone® Soundmat Tape tape to avoid leaking during installation of poured underlayments and wear layers.

### STORAGE

Store in dry conditions.

## LIMITATIONS

- Do not apply Treadstone® Technical Felt over any surfaces containing asbestos
- When used as a permanent vapor barrier, Treadstone® Technical Felt should be installed by a licensed Formulated Materials