

# Underlayment - Thin Slope

## Feather Edge & Ultra-Thin Underlayment Compound

### PRODUCT DESCRIPTION

Underlayment – Thin Slope is a, trowel grade, two-component, polymer reinforced, cementitious underlayment formulated to provide a durable, uniform sub-surface for applications requiring a high-performance underlayment or smoothing material. It offers exceptional bond strength and is ideal for heavy loads over 5,000 lbs (2,268 kg). This fire retardant material also provides good thermal and acoustical insulation making it suitable for use over many occupied space environments.

Underlayment – Thin Slope is an easy-to-use, versatile material that can be used for both interior and exterior applications as a traditional underlayment, a base mortar, or as a repair and patching material for concrete surfaces. The incorporation of high-performance fungicides help inhibit the growth of mold and mildew, contributing to the longevity of the overall installation.

Underlayment – Thin Slope can be installed from a feathered edge to 1 inch (0 to 25.4mm) finished thickness and is designed for use over properly prepared plywood or concrete substrates. It can also be installed over properly prepared existing surfaces like quarry tile, flagstone, etc. and is packaged for easy on-site mixing with Mer-Ko's Thin Slope Emulsion. Mortar layer can be sloped for additional protection against water pooling and penetration and to prevent elevation problems at doorways, landings, steps, etc.

### COLOR

Dark brown

### INSTALLATION CONDITIONS

Mer-Ko underlayments must not be installed if the surface and ambient temperature is below 40°F (4.4°C) or above 120°F (48°C), or when precipitation is expected or occurring.

### SUBSTRATE PREPARATION

Before using Mer-Ko underlayments, ensure proper preparation of the substrate. Clean the application area using a pressure washer, grinder, shot blaster or scarifier as required to produce a clean, sound substrate. The substrate surface must be clean, dry and free of dust and any other contaminants at the time of material application. When applicable: Use No. 26 gage bonderized steel or equivalent flashing around the perimeter; Do not use copper perimeter flashings.

### APPLICATION INSTRUCTIONS

#### Primer Coat

For direct bond applications over concrete or plywood: Apply a primer coat of Prep Seal Primer. Brush apply to all perimeter flashing and use a paint roller for horizontal surface. Allow the primed area to dry for a minimum of 2 to 4 hours at 70°F (21°C) 50% RH, before proceeding the finished overlay application.

#### Underlayment - Thin Slope

Mix one 50 lb. (22.7 kg) bag of Underlayment – Thin Slope Filler with one gallon (3.79 L) of Thin Slope Emulsion. Apply to horizontal surface areas at the desired thickness, [feathered edge to 1 inch (0 to 25.4mm)].

Screed and/or float as necessary to ensure complete coverage. Allow the material to dry for 6 to 8 hours for foot traffic; 24 hours at 70°F (21°C) 50% RH, for full service and heavy loads.

### Metal Lath Reinforcement

When applicable, install a minimum No.17, 1.5 x 1.5 inch self furred welded wire mesh (Structalath™) or optionally, 2.5 self furred galvanized expanded metal lath. For larger areas, the lath is placed as the underlayment is installed to avoid crushing/loss of the furring when walked on. Over lap wire lath a minimum 1.5 inch (one opening/square), over lap metal lath a minimum 1 inch. Do not mechanically fasten lath when used with Mer-Ko's Dual Pro 380 system. Lath overlaps are tied together at 1 ft intervals using a minimum 18 ga. galvanized annealed steel wire.

### CAUTIONS & LIMITATIONS

- The substrate surface must be structurally sound, clean, dry and free of dirt, dust, oil, grease, paint or other contaminants at the time of material application.
- Concrete substrates must have a minimum compressive strength of 3,000 psi tested by "point loading" technique.
- No unapproved additives should be added to Underlayment, including additional sand or aggregate as it will affect product performance.
- Do not install during inclement weather.
- When contemplating a deck installation with an open soffit, or over an unheated enclosed space (e.g., garage, etc.) provisions must be made to vent the space.

### CARE & MAINTENANCE

Proper protection of the Underlayment should be provided if there will be a delay in application of the finish materials.

### STORAGE & HANDLING

Store Mer-Ko Thin Slope Underlayment material off the ground in a dry environment during storage and transport. All materials should be stored in compliance with local fire and safety requirements. Always wear proper safety equipment, including particle mask, eye protection and gloves when mixing and/or applying these products.

### SHELF LIFE

The shelf life is six (6) months from the date of manufacture in the original, unopened container when the material is properly stored.

### WARRANTY

Limited manufacturer's defect warranty. Contact Mer-Ko Technical Service Department for specific warranty information or [www.parexmer-ko.com](http://www.parexmer-ko.com).

### WARNING:

- Read complete Warning information printed on product container prior to use. For medical emergency information, call 1-800-424-9300.
- For more information on handling this product refer to its Material Safety Data Sheet (MSDS). The most current MSDS and Product Data Sheet (PDS) can be found on our website.
- This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about the guidelines for the proper use and application of the covered product(s) under normal environmental and working conditions. Because each project is different, Parex USA, Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

# Product Data Sheet

## Underlayment - Thin Slope

### COVERAGES

Coverage rates are approximate only and can vary greatly due to surface conditions, humidity, temperature and installation techniques.

#### Primer Coat

Base Flashing and Horizontal Surfaces .....1,750-2,000 ft<sup>2</sup> (70-93 m<sup>2</sup>)  
5 gallon pail

#### Underlayment

Thin Slope .....25 ft<sup>2</sup> (2.32 m<sup>2</sup>) at 1/4 in. (6.35mm)/50 lb bag

### PACKAGING

#### Underlayments

Thin Slope Emulsion ..... 5 gal (18.9 L) pail  
Underlayment Thin Slope ..... 50 lb (22.7 kg) bag

#### Primers

Prep Seal Primer ..... 5 gal (18.9 L) pail

### PHYSICAL CHARACTERISTICS

**Adhesion** .....> 550 psi  
(ASTM C794)

**Compressive Strength** .....> 5,500 psi  
(ASTM C109) 28 Day cure

**Fire Rating** ..... Fire Retardant  
(FTMS 105a, Method 6411)

**Indentation Characteristics** .....< 3%  
(MIL-D-3135)

**Thickness** ..... Feathered Edge to 1" inch  
(0 to 25.4mm)

**Water Absorption** .....< 2.5%  
(FTMS 501a, Method 7511)

**Weight** .....1.2 lbs./ft<sup>2</sup>  
at 1/8" (3.2mm)

Any recommendation or suggestion relating to the use of MER-KO products made via current technical literature, marketing materials, technical application guides, specifications, and the like, or in response to specific inquiry or otherwise, is based on data believed to be reliable. However, the products and information are intended for use by Buyers having requisite skill and know-how in the industry. Therefore, it is the responsibility of the Buyer to satisfy the necessary requirements of suitability of the products for its own particular use, and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. Mer-Ko believes the information contained herein is true and accurate as of the date of publication. Information contained here is for evaluation only. Mer-Ko reserves the right to modify and/or change products or literature at any time and without prior notice.

**PAREX**  
MER-KO  
www.parexmer-ko.com

#### Corporate Office

Parex USA, Inc.  
4125 E. La Palma Ave., Suite 250  
Anaheim, CA 92807  
(866) 516-0061  
Tech Support: (800) 226-2424

