



# 2 SQ UNDERLAYMENT

## Description & Uses

A heavy-weight asphalt roofing felt made of a specially formulated organic sheet which has been fully saturated with waterproofing asphalt. This sheet is pre-conditioned to lay flat and remain stable during and after installation. Application guidelines are applied every 2" across the sheet to aid the roofer in keeping asphalt shingles aligned.

May be used as an eave protector or as a high performance underlayment beneath other roofing materials on sloped roofs.

### Physical Test Parameters

Conforms to ASTM D4869 Type II

### Average Breaking Strength

Along Fibre Grain > 7kN/m (40 lb/in)

Across Fibre Grain > 3.5kN/m (20 lb/in)

### Packaging

Roll Width 36" (0.914 m)

Roll Contents 216 sq. ft. (20.07 m<sup>2</sup>)

Rolls per Pallet 30

Weight per Roll 36 lbs approx.

Pallet Size 48" x 40"

## Deck Preparation

Proper deck preparation is an essential step to ensure that the roofing remains problem free.

When preparing roof deck:

- Follow all instructions supplied by the manufacturer of the shingles or other roofing.
- Remove and replace any broken or decaying lumber.
- Remove loose nails and ensure that all decking is securely fastened to sound framing members with proper fasteners.
- If installing new O.S.B. sheathing, allow a **3/16" gap** at end joints and **1/8" gap** at side joints.

## Attic Humidity

Check for adequate ventilation under the roof deck. High humidity due to improper attic venting can cause wrinkles or ridging to occur in some roofing materials. It can also cause new plywood or O.S.B. to expand excessively, which may also cause ridging in the roofing materials. Problems caused by high humidity are usually of an aesthetic nature and may not be protected by roofing material warranties.

## Underlayment Installation

2 Sq Underlayment is a heavy sheet which suits a heavier style of finished roofing. When used under lightweight roofing, such as asphalt shingles, 2 Sq Underlayment may telegraph expansion ripples to the shingles when deck humidity is excessive.

To help avoid this problem:

- Roll the felt out and allow it to warm up before fastening down.
- Cut the felt into shorter segments (approx. 15 ft.) to reduce expansion potential.
- Install extra nails in the felt at the time the shingles are placed.
- Eliminate humidity problems by improving attic ventilation.



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## On-site Quality Control

HAL felt products need to be kept on end and stored off the ground in a dry environment; this is to ensure that the product is in the right condition to be installed. HAL felt should not be stacked more than three pallets high.

## Recommended Tools & Equipment

For felt installations, HAL recommends the use of plastic cap nails as fasteners.

## Caution

Great care must be exercised in all phases of steep slope roof application. Follow the safety guidelines of the safety authority having jurisdiction in your area.

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