

# **Avaire® Underlayment Product Specification**

Flooring underlayment for use in combination with the Avaire® “*Standard Collection*” Porcelain Tile line.

## **APPROVED SUBSTRATES**

- Dry, completely cured concrete floors (at least 28 days old)
- Cementitious screeds/leveling coats

NOTE: When using self-leveling compounds, follow manufacturers recommended cure times

- ¾” minimum thickness subflooring
- Existing Hardwood floors
- Existing Vinyl floors
- Existing Ceramic, Porcelain & Terrazzo floors
- Compatible with most floor warming systems  
(Note: Quiet Warmth® can be substituted for the Avaire underlayment)

## **LIMITATIONS**

- For use in dry areas only (No showers)
- Sub-floor must be structurally sound
- Floor must be flat within a tolerance of +/- ¼” (.25”) over 10’—Use a standard self-leveling compound (following manufacturers directions) for out-of-tolerance floor conditions.

## **INSTALLATION**

Please refer to the Avaire Underlayment Installation Sheet for complete installation details. Note that Avaire Underlayment will smooth out minor sub-floor imperfections, however, please use the tolerance guidelines when determining acceptable sub-floor tolerance conditions.

## **PACKAGING**

Available in 3’ X 33.4’ X 9” dia. (100 sq. ft.) rolls—30 rolls/pallet Weight: 17 lbs./roll  
Pallet cube size: 37” X 46” X 54” H

## **TECHNICAL DATA**

Physical Properties:

Material.....Blended synthetic fibers

Recycled Content.....minimum 95%

Contributes to LEED MR Credit 4.1-4.2

Weight.....25 oz./sq. yd. (2.78 oz./sq. ft.)

Thickness.....0.11”

Density.....18.9 lbs/ft<sup>3</sup>

Compression Resistance @ 25%:23.2 psi

Compression Resistance @ 30%:37.0 psi

Compression Resistance @ 50%: 219 psi

Break Strength...L: 78.4 lbs, W: 63.3 lbs.

Compression Set @ 25%.....18.8%

R-Value (@.125”): 0.52 hr-ft<sup>2</sup>-degF/BTU

Flammability: Meets or exceeds Federal Flammability Standard: 1-70 (Pill Test) & ASTM E84 Steiner Tunnel Test

Volatile Organic Compounds (VOC):

Tested for 81 different off-gas compounds in accordance with CA 01350. Passed to the level of Collaborative for High Performance Schools (CHPS) & offices.

Product Emissions:

Passed the most rigorous emissions test: Section 01350 for CHPS and Standard office.

Sound Properties:

Impact Sound Transmission. The method is designed to measure the impact sound transmission performance of a floor-ceiling assembly in a controlled lab environment.