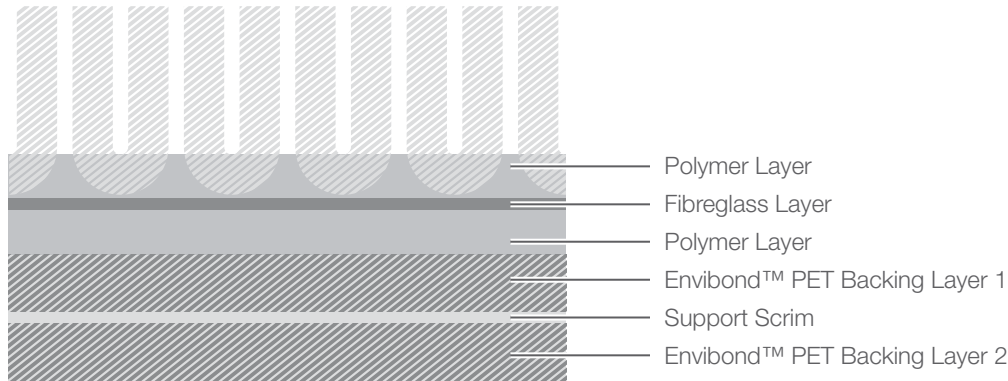


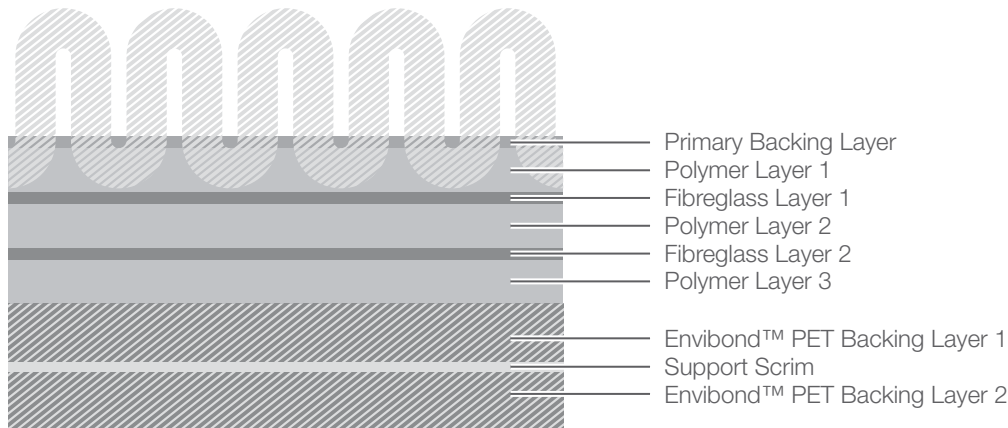
# Envibond™ BACKING SPECIFICATION



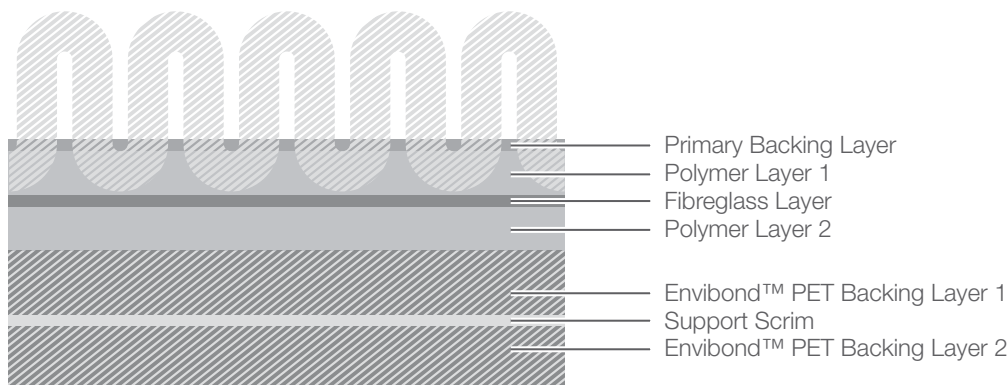
## ENVISIONS ENVIBOND™ BACKING PROFILE



## COLOURWEAVE ENVIBOND™ BACKING PROFILE



## SDN (SOLUTION DYED NYLON) ENVIBOND™ BACKING PROFILE



## DESCRIPTION

Envibond™ cushioning layer with fibreglass reinforced bonding layer incorporating synthetic polymer compound

## TECHNICAL BENEFITS



### DIMENSIONAL STABILITY

Passes International Aachner Test, i.e. less than 0.2% at both Primary and Secondary backing levels



### FLAMMABILITY

Passes Radiant Panel Test ISO 9230.1

- CRF = min 2.2 kW/m<sup>2</sup>
- Smoke < 750 % minutes



### BOND STRENGTH

Minimum 40 Newtons between layers as prescribed in AS/NZS 2111.16-1996 "Textile floor coverings - Tests and measurements - Determination of bond strength between backing components"



### MOISTURE RESISTANCE

High resistance to moisture penetration preventing adhesive from migrating into the bottom layer of the backing



### LOW VOC EMITTING

Total Volatile Organic Compound emission rate less than 500 ug / m<sup>2</sup> / hr using the Carpet Institute of Australia Carpet Classification Scheme incorporating ISO 10580: "Resilient, Textile and Laminate Floor Coverings: Evaluation of Volatile Organic Compound Emissions" is used



### NOISE REDUCTION

Noise Reduction Coefficient (NRC) of ≥0.15 (15%) using AS ISO 354 – 2006 "Acoustics: Measurement of sound absorption in a reverberation room"



### THERMAL INSULATION

Measured R-value (thermal resistance) of ≈ 0.1m<sup>2</sup> K/W using ASTM C518-10



### ADHESIVE-FREE OPTION

Frictionback™ polymer to provide resistance to lateral movement avoiding need for adhesive using OTM 031-2011

## COMPONENTS

### BACKING LAYER

Envibond™ cushioning layer incorporating synthetic polymer compound

### PRIMARY BACKING

Woven synthetic polymer

### STABILISER

Fibreglass reinforced bonding layer

## 15-YEAR WARRANTY

All Envibond™ products are supported by a 15-year written warranty covering pile wear (including castor chairs), dimensional stability and antistatic.