



## SENTINEL PROTECT INFINITY UNDERLAYMENT AVAILABLE IN 100 & 450 SQ FT

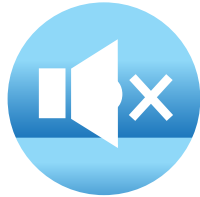
Approved for Floating and Glue Down Vinyl/Laminate/Wood Flooring  
including attached and non-attached pad for WPC / SPC / EVP Vinyl Flooring.



ANTIMICROBIAL  
PROTECTION



MOISTURE  
PROTECTION



SOUND  
REDUCTION



THERMAL  
BARRIER

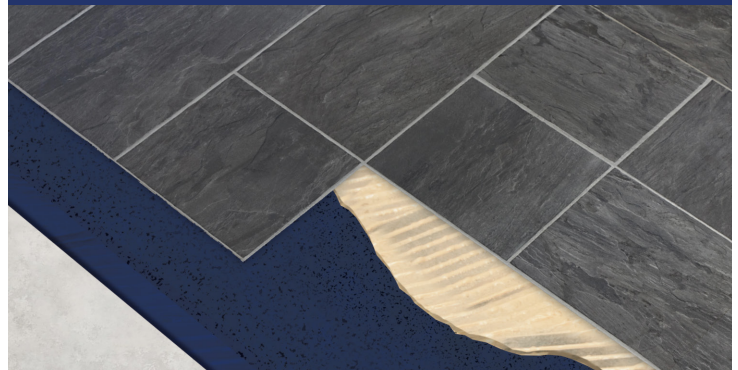
- Premium universal underlayment for attached and non-attached pad flooring
- Improves floor warmth by 7%
- Antimicrobial protection is built-in to inhibit the growth of mold and mildew
- For use on/below and above grade
- Made with 100% post-consumer recycled granulated rubber tires
- Lifetime Warranty



### Install with Floating Floor



### Install with Glue-Down Flooring



Without Sentinel  
Protect Infinity



With Sentinel  
Protect Infinity



### Reduce the noise

IIC 70 / STC 61, Delta IIC 25

IIC and STC results vary based on flooring,  
subfloor or ceiling characteristics

# PRODUCT SPECIFICATIONS

Sentinel Protect Infinity™ maintains the beauty of your floor like nothing else.  
Sentinel Protect Infinity™ underlayment can stand up to the pressure.

## ADVANTAGES

- Sentinel Protect Infinity™ is made with 100% post consumer recycled granulated rubber tires and high-density polyurethane foam using rapidly renewable resources (Castor Based Polyols)
- **Approved for Floating and Glue Down Vinyl Flooring including pad attached WPC/SPC/EVP vinyl flooring**
- New revolutionary **moisture barrier film** for best durability and moisture protection up to 13lbs of vapor emissions per 1000sf in 24hrs based on calcium chloride test
- Contains an antibacterial/antifungal property that ensures protection from the growth of unwanted microbes
- Crushpruf™ technology resists indentation that enables your floors to perform to its fullest potential and last a lifetime
- Provides cushioned comfort under hard laminate flooring
- Eliminates minor subfloor imperfections
- Offers the industry's best limited lifetime warranty
- Suitable for radiant heat flooring systems

## APPROVED SUBSTRATES

- Dry, completely cured concrete (at least 14 days old with HVAC operating)
- ¾" interior plywood, OSB flooring (float only), gypcrete (*must be primed before glue down*)
- Waterproofing and crack-isolation membranes
- Cement backer units
- Existing wood, vinyl, tile floors fully adhered to subfloor
- When using over a crawl space or pier and beam subfloor, a 6mil poly sheeting must be properly installed on the ground underneath per NWA guidelines to prevent possible subfloor/floor joist rot

## FLOOR PREPARATION

- Subfloor should be clean and dry
- Follow the wood manufacturer's installation instructions for any additional preparation

## QUICK AND EASY INSTALLATION

*requires no additional seaming tape, cuts with a knife*

1. Install Sentinel Protect Infinity™ Acoustical underlayment with film down against concrete/subfloor.
2. **For floating installations**, roll out underlayment with tape strip next to wall. Roll out next row in same manner butting underlayment to first row (do not overlap) and covering the moisture barrier film. Remove the tape strip and secure the overlapping moisture barrier film.

**For double glue down installations**, use Bostik lock499 or Mapei Ultrabond Eco 373 adhesive (or similar urethane based adhesive with the same bond strength) with a 1/16" trowel on the subfloor. **Trim off the excess overlapping film.** Roll out underlayment with tape strip next to wall. Roll out next row in same manner butting underlayment to first row (do not overlap). Roll with a 75 -100 lb. roller to smooth out any air pockets and to secure a good bond to the adhesive.

3. Install flooring according to flooring manufacturer's installation instructions.

## PACKAGING

- Available in 3' x 33.34' (100 sq. ft.) rolls and 6' x 75' (450 sq. ft.) contractor size rolls

## TECHNICAL DATA

**100% High-Density Polyurethane foam underlayment blended with post consumer recycled granulated rubber tires and bonded to a moisture vapor film.**

Thickness.....	1.2 mm
Density .....	30 lbs
Weight .....	2.10 oz/sq.ft.
Antimicrobial Treatment .....	Included
Thermal Resistance .....	R-Value .068
Compression Resistance .....	77.8 psi
Compression Set .....	2.4 %
Flammability Rating .....	Passes Federal Flammability Standards DOC-FF-1-70
Smoke Density .....	Passes, 110 max
Product Emissions.....	Exceeds VOC emissions requirements, environmentally friendly

## SOUND ABSORPTION PROPERTIES

**Impact Insulation Class (IIC)** *This method is to measure the impact sound transmission performance of a floor-ceiling assembly (sound transmission through the floor)*

IIC	Flooring	Sub-Floor
70	Rigid Core Vinyl	6" concrete with ceiling assembly
65	Laminate/Engineered	6" concrete with ceiling assembly
58	Rigid Core Vinyl	6" concrete with NO ceiling assembly
52	Rigid Core Vinyl	Wood joist with ceiling assembly

**Sound Transmission Class (STC)** *This method is to measure the air-borne sound insulating property of a partition element for effectiveness in blocking sound*

STC	Flooring	Sub-Floor
61	Rigid Core Vinyl	6" concrete with ceiling assembly
61	Laminate/Engineered	6" concrete with ceiling assembly
51	Rigid Core Vinyl	6" concrete with NO ceiling assembly
59	Rigid Core Vinyl	Wood joist with ceiling assembly

**Delta IIC** *The db rating difference between a floor measured with an underlayment and with no underlayment*

Δ IIC 25 (up to a 79% db sound reduction)

## LEED CREDITS

MR 4.1	10% recycled content
MR 4.2	20% recycled content
MR 5.1	10% content manufactured within 500 miles of project
MR 5.2	20% content manufactured within 500 miles of project
MR 6	Rapidly renewable resource
EQ 4.3	low emitting VOC's

