



SUPERSEAL Warm N Quiet Subfloor Product Specification Sheet

Phone: 1-800-571-1877
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www.superseal.ca
info@superseal.ca

September 01, 2010 - present

Warm N Quiet Subfloor™ is a high performance and moderately priced subfloor that dramatically reduces footfall noise, insulates your floor and protects against moisture in one easy application

Sound Reduction

26 Δ lw (db), measured as per the DIN 52210 procedure.

| Part # | Roll Sizes |
|---------|--|
| SF83108 | 3'3" x 32.8ft - 108 ft ² - (1m x 10m) |
| SF83215 | 6'7" x 32.8ft - 215 ft ² - (2m x 10m) |

| Properties | Values |
|---------------------------|---|
| Material - Dimpled Sheet | High-Density Polyethylene (HDPE) |
| - Foam Layer | Closed Cell Polyethylene (PE) |
| Color - Dimpled Sheet | Black |
| - Foam Layer | White |
| Thickness - Dimpled Sheet | 0.6mm (24 mil) |
| Foam Layer | 3mm |
| Area Weight (approx) | 700 g/m ² |
| Dimple Height | 8mm (0.31") |
| Dimple Spacing (approx) | 1150 per m ² |
| Compressive Strength | 150 kN/m ² (3200 psf) |
| Service Temperature Range | -40° C to +80° C |
| Physiological Properties | Can be ordered non-polluting for drinking water |

Areas of Application / Benefits

- Under most types of flooring materials including laminate, hardwood and carpet
- Multi-level building as flooring noise control
- Flooring insulation enhancement
- Damp rise control from substrates

SUPERSEAL warrants this product for a period of 20 years and is resistant to a wide range of chemicals, resistant to fungus and bacterial attack, impervious to root penetration and rot proof. In the event this product fails to meet these requirements, the said amount of material shall be supplied free of charge. There are no warranties beyond this expressed as stated above. **SUPERSEAL** assumes no responsibility for any other losses or damages, labour, materials, punitive, incidental or consequential or otherwise. Proof of purchase must be provided at time of claim.



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Test Data Report - Footfall Sound Reduction

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Test instrument: Standard hammer with vibration transducer and vibration meter (in-house design), includes lower frame mounted on concrete slab.

Test procedure: Determination of negative peak acceleration. In-house rapid test for footfall sound reduction by plastic floor systems. Procedure based on DIN 52210 and TGL 10688/13 standards.

Test conducted at: FILK GmbH, Meißner Ring 1-5, 09599 Freiberg/Germany

Test results for: Superseal Warm N Quiet Subfloor

| Material | *Peak Acceleration a [m^2s^{-1}] | Footfall Sound Reduction Δ_{LW} [dB] |
|---|---|--|
| Parquet (15mm thick) | 1675 | 16 |
| Parquet with Superseal Subfloor Plus Foam underlay | 744 | 22 |
| Parquet with felt mat underlay | 935 | 20 |
| Parquet with rockwool underlay | 847 | 21 |
| Parquet with recycled textile mat underlay | 909 | 21 |
| Laminate (7mm thick) | 2150 | 14 |
| Laminate with Superseal Subfloor Plus Foam underlay | 720 | 22 |
| Laminate with felt mat underlay | 852 | 21 |
| Laminate with rockwool underlay | 659 | 23 |
| Laminate with textile mat underlay | 710 | 22 |
| Superseal Subfloor Plus Foam dimpled sheet (dimple height $s=10mm$) | 417 | 26 |
| Felt Mat ($s=10mm$) | 795 | 22 |
| Rockwool Mat ($s=30mm$) | 557 | 24 |
| Recycled Textile Mat ($s=20mm$) | 510 | 25 |

**Note: Average values from 10 individual tests at two different instrument settings*