APPLICATION SPECIFIC ACoustical Floor UNDERLAYMENTS

WOOD

TILE

VINYL

CARPET

IMPACTA PREMIUM UNDERLAYMENTS ARE AVAILABLE IN MANY MODELS AND PROVIDE SOUND ISOLATION BETWEEN THE FLOOR COVERING & THE SUBFLOOR

WWW.SOUNDSEAL.COM  |  WWW.IMPACTAUNDERLAYMENTS.COM
CeraZorb is a lightweight underlayment system specially designed for use under floated OR glue down hardwood floors. CeraZorb offers high energy impact with low weight and will remain unchanged after repeated impact loads. CeraZorb is a hemi-crystalline thermoplastic underlayment that will not rot, swell or absorb water and is anti-microbial. CeraZorb has been tested and has the performance equal to 1/2” natural cork at a much lower price. CeraZorb can be bonded to approved subfloors using Impacta T950 bond coat adhesive.

- Up to 25 times lighter than 1/4” backer board
- Hemi-crystalline thermoplastic will not rot, or support mold & mildew or absorb moisture
- Lightweight and easy to carry
- Credible acoustic performance
- Anti-microbial

SPECIFICATIONS

- Thickness: 3mm, 5mm, 10mm
- Sheet size: 4’ x 4’
- Up to 25 X lighter than 1/4” backer board
- Easy to Install

ACOUSTICAL TESTING

Test results are based on 6” concrete slab (more testing available upon request)

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<th>Thickness</th>
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<td>10 mm</td>
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T-950 Adhesive designed to bond to both top and bottom of CeraZorb
**ProBase** floor underlayments are designed to reduce impact noise in the floor to ceiling assembly. **ProBase** underlayments are crush resistant, durable and provide high acoustic performance under wood floor. **ProBase** underlayments are high performance, durable recycled rubber base underlays designed for use under hardwood floors. **ProBase** underlays offer excellent sound reduction from both airborne & structural noise. **ProBase** is excellent for use in lightweight wood frame construction due to its weight and mass.

**Made from 92% recycled SBR (Styrene-Butadiene Rubber) tire rubber.**
Qualifies for up to 5 Leed points.

**APPLICATIONS**

Typical uses include: apartments, homes, condos, schools, hospitals and any areas where reduction from structural impact noise through the floor to ceiling assembly is required. ProBase underlayment can be installed over concrete, gypsum topping and structurally sound plywood subfloors.

**SPECIFICATIONS**

- Thickness: 3mm, 5mm, 6mm, 10mm, 12mm
- 4’ x 25/50’ rolls – Standard width 48”
- Hardness: A Shore-Durometer 40-55
- Density: (ASTM D-792) 43 lbs cubic ft

**ACOUSTICAL TESTING**

Test results are based on 6” concrete slab (more testing available upon request)

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<thead>
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<tr>
<td>12 mm</td>
<td>23</td>
<td>54</td>
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T-950 Adhesive designed to bond to both top and bottom of **ProBase**
Redupax is an acoustic floor underlayment for floated laminate and engineered hardwood flooring. Redupax has a thickness of 9mm, a density of 13 lbs per cubic foot and offers true stability, acoustic and thermal qualities. In addition, Redupax is also environmentally friendly, FSC certified and biodegradable. Installed under floated engineered hardwood and laminate floors, Redupax systems have been installed in condominiums, apartments, hotels and resorts in living areas.

FSC CERTIFIED 100% NATURAL WOOD FIBER

- Free floating economical underlay saves installation time
- Rigid stable top surface simulates the sound and feel of nail-down hardwood flooring
- Excellent thermal qualities for warmth and comfort
- High smoothing qualities create a beautiful finished floor
- Will not bounce like many foam and felt products; increases lifetime of the floor
- Removes the hollow sound attributed to many floated engineered hardwood and laminate floors
- Made from 100% natural wood fibers; allows for leveling of floor imperfections up to 1/8” per 3 ft.

SPECIFICATIONS

- Thickness: 9mm - 3/8”
- Sheet size: 23 1/4” x 33 7/8”
- Quantity per package: 16 sheets / 87 sq ft
- Density: 13 lbs per cubic foot
- Weight: 46 lbs per package

ACOUSTICAL TESTING

Test results are based on 6” concrete slab (more testing available upon request)

9 mm Delta 24 IIC 52
Paladin is an acoustic floor underlayment for floated laminate and engineered hardwood flooring. Paladin has a thickness of 4mm and offers true stability, acoustic and thermal qualities. In addition, Paladin is also environmentally friendly, FSC certified and biodegradable. Installed under floated, engineered hardwood and laminate floors. Paladin floor underlayment is lightweight and easily installed under floated or laminate engineered hardwood flooring.

**FSC CERTIFIED 100% NATURAL WOOD FIBER**

- Made from 100% natural wood fiber, allows for leveling of floor imperfections up to 1/8'' per 3 ft.
- Free floating economical underlay saves installation time
- Excellent thermal qualities for warmth and comfort
- Will not bounce like many foam and felt products; increases lifetime of the floor
- Removes the hollow sound attributed to many floated engineered hardwood and laminate floors

**SPECIFICATIONS**

- Thickness: 4mm - 5/32''
- Sheet size: 23 1/4'' x 33 1/2''
- Quantity per package: 20 sheets / 135 sq ft
- Density: 14.5 lbs per cubic ft
- Weight: 24 lbs per package

**ACOUSTICAL TESTING**

Test results are based on 6'' concrete slab
*(more testing available upon request)*

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<thead>
<tr>
<th>Thickness</th>
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<th>IIC</th>
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<tr>
<td>4 mm</td>
<td>24</td>
<td>52</td>
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**SOLID NAIL DOWN HARDWOOD FLOORING**

**Soundeater** is a sound reducing underlayment for nail down solid and semi-solid hardwood floors.

**Soundeater** combines a specially designed tongue and groove impact absorbing soft board with a mating wooden profile. The profile is placed free from the substrate between the soft boards every 10 1/2''. The top side of the profile will accept a 1 1/2'' flooring nail on a 45 degree angle through the 3/4'' hardwood without touching the subfloor. The result is a totally free floating hardwood floor.

**Soundeater** systems have been installed in condos, apartments, hotels and resorts in living areas. In addition, it has been installed in commercial & public buildings to prevent high traffic passages on the floors above from intruding conference, office and meeting areas.

**ADVANTAGES OF USING SOUNDEATER**

- Some of the highest acoustic IIC ratings
- Outstanding floor leveling up to 1/8'' over 3ft up to 1/4'' over a 10’ span
- Simplistic installation saving time and money
- Natural cushioning reduces both impact & floor squeaks

**SPECIFICATIONS**

- Thickness: 27mm, 1 1/16”
- Board size: 36” x 10”
- Profile size: 1 3/4” x 82 3/4” x 7/8”
- Quantity per package: 17.4 sq ft
- Weight per package: 35 lbs

**ACOUSTICAL TESTING**

Test results are based on 6” concrete slab (more testing available upon request)

- 27 mm Delta 25 IIC 53
Jumpax is a free floating, dry leveling, sound reducing, time and money saving fast track underlay system. Jumpax is capable of creating a super smooth jointless surface for direct glue down of resilient floor coverings such as linoleum, sheet vinyl, VCT, LVT, vinyl plank, cork floors and PSA backed carpets. Jumpax underlay is suitable for commercial and residential use. The dual underlayment system consists of a composed base board and a calibrated top board. Jumpax is the best underlay system in terms of leveling and impact sound reduction.

Jumpax systems have been installed in universities, hospitals, condominiums, apartments, hotels, resorts and commercial places all over the world. In addition, Jumpax has been installed in commercial and public buildings to prevent high-traffic passages on the floors above from intruding conference, office and meeting areas.

- Fast track floor prep
- Dry leveling, free floating
- Super smooth surface
- Can be installed over existing floor
- Provides thermal insulation
- Outstanding floor leveling
  (up to 1/8” over 3ft up to 1/4” over 10 foot span)

SPECIFICATIONS

- Thickness: 10mm, 3/8”
- Board size: 23 5/8” x 47 1/4”
- Boards per package: 4 each top & bottom
- Quantity per package: 31 sq ft
- Weight sf: 1.35 lbs per sf
- Weight per package: 42 lbs

ACOUSTICAL TESTING
Test results are based on 6” concrete slab (more testing available upon request)

10 mm  Delta  25  —  IIC 53
VC300 is a tough, resilient acoustic underlay that has been specially manufactured for resilient vinyl floors. Manufactured from PUR foam and cork granules, VC300 is ideally suited for all new construction for glued down vinyl floors. VC300 is rubber free so there will not be any issues with discoloration of the vinyl due to plasticizer migration, which is a common occurrence with rubber/vinyl adhesive reaction. VC300 is Green Circle Certified containing both pre-consumer recycled content and rapid renewable material. VC300 is only 3mm thick but offers excellent acoustical performance as well as durability under point loads. VC300 has been tested with point loads under various vinyl floors with results up to 250 PSI ratings.

- Offers long term performance without collapse or bottoming out
- Suitable for both new construction & renovations
- Quick & easy installation
- Resistant to aging & deformation

VC300 can be installed to concrete gypsum topping & APA plywood with Impacta T-440 bond coat adhesive

ACOUSTICAL TESTING
Test results are based on 6" concrete slab (more testing available upon request)

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Roll size</th>
<th>Square feet per roll</th>
<th>Weight per roll</th>
<th>Adhesive</th>
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</thead>
<tbody>
<tr>
<td>3mm, 1/8&quot;</td>
<td>39” x 62”</td>
<td>201.50</td>
<td>65 lb</td>
<td>T440</td>
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Impacta ProBase Vinyl is the perfect choice for both dry back and glued down LVP/LVT flooring. Impacta ProBase Vinyl consists of PUR bonded rubber granules and cork elements. ProBase Vinyl is permanently elastic and age resistant for decades. It is thin at only 2mm but will add 20 decibel of acoustic improvement when used with 2-3mm vinyl plank flooring.

ProBase Vinyl is compatible with all LVP/LVT flooring as well as perimeter glued or full spread LVP/LVT installations. Must be installed using T-440 top and bottom to prevent plasticizer migration.

- Offers long term performance without collapse or bottoming out
- Suitable for both new construction & renovations
- Quick & easy installation
- Resistant to aging & deformation

**SPECIFICATIONS**

- Thickness: 2mm
- Roll size: 4’ x 50’
- Square feet per roll: 200
- Weight per roll: 70 lbs
- Adhesive: T440

**ACOUSTICAL TESTING**

Test results are based on 6" concrete slab (more testing available upon request)

2 mm Delta 20 – IIC 48
CeraZorb is a lightweight 5mm thick underlayment system that has been specially designed for use under tile and stone. CeraZorb offers high energy impact with low weight and will remain unchanged after repeated impact loads. CeraZorb is a hemi-crystalline thermoplastic underlayment that will not rot, swell or absorb water and is anti-microbial. CeraZorb has been tested and has the performance equal to 1/2” natural cork at a much lower price. CeraZorb can be bonded to approved subfloors using Impacta T-440 bond coat adhesive.

- Up to 25 times lighter than 1/4” backer board
- CeraZorb will not rot, support mold & mildew or absorb moisture
- Thin profile — 3/16” thick, 4’ X 4’ sheets
- 25 sheets per box — packaged flat, no roll curl

CeraZorb offers excellent thermal insulation under radiant floor heating and is approved by the following companies:

T-440 is the recommended adhesive to glue the CeraZorb to the subfloor
Impacta ProBase floor underlayment is made from recycled rubber tires. ProBase underlayment can be installed under ceramic tile and stone flooring. ProBase is excellent for noise control and is the perfect product used in lightweight wood frame construction due to its weight and mass. ProBase offers excellent noise control for both airborne noise reduction and impact isolation.

Typical uses include: apartments, homes, condos, schools, hospitals and any areas where reduction from structural impact noise through the floor to ceiling assembly is required. ProBase underlayment can be installed over concrete, gypsum topping and structurally sound plywood subfloors.

92% RECYCLED CONTENT QUALIFIES FOR UP TO 5 LEED POINTS

SPECIFICATIONS
- Thickness: 3, 5, 6, 10 & 12mm
- Roll size: 4’ x 25’ (3mm is 4’ x 50’)
- Weight per package: 85 lbs to 200 lbs
- IIC rating 50+

ACOUSTICAL TESTING
Test results are based on 6” concrete slab
(more testing available upon request)

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T-440 is the recommended adhesive to glue the ProBase to the subfloor.
Superfloor acoustical carpet underlayment is a premium carpet pad designed for use under carpet and carpet tiles. Most carpet pads are made from foam or rubber and deteriorate very fast causing wear paths and wear spots in the carpet in areas of high traffic. **Superfloor** is different than any other carpet pad in the market today offering glue down or traditional carpet tack installation.

**Superfloor** carpet underlayment is easily installed under carpet with carpet tacks or can be glued down reducing installation and labor costs. **Superfloor** is environmentally friendly, biodegradable, has outstanding thermal qualities and is mold and moisture resistant.

**Superfloor** extends the life of the carpet, will not collapse like foam padding and will maintain its acoustical performance.

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**SPECIFICATIONS**

- **Thickness:** 7mm
- **Board size:** 23 1/4” x 33 7/8”
- **Boards per package:** 20 each / 109 sf
- **Weight per package:** 41 lbs

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**ACOUSTICAL TESTING**

Test results are based on 6” concrete slab

(100% NATURAL WOOD
MADE FROM RECYCLED MATERIALS)

Glued down carpet over 7mm Superfloor

Delta △ 25
ProBase floor underlayments are designed to reduce impact noise in the floor/ceiling assembly. ProBase underlayments are crush resistant, durable and provide high acoustic performance under wood floor. ProBase underlayments are high performance, durable recycled rubber base underlays designed for use under hardwood floors. ProBase underlays offer excellent sound reduction from both airborne and structural noise. ProBase 6mm, 10mm or 12mm would be recommended where additional weight is required for increased airborne reduction.

ProBase is the correct choice as a carpet underlayment where airborne noise is a problem. ProBase 6mm, 10mm & 12mm weigh 1 lb, 1.65 lbs and 2 lbs per sq ft and will help reduce airborne noise through the floor/ceiling assembly. ProBase can be installed with an additional pad in both stretch in and double glue down installations.

**SPECIFICATIONS**
- Thickness: 3, 5, 6, 10 and 12mm
- Roll size: 4’ x 25’ (3mm is 4’ x 50’)
- Weight per roll: 85 lbs – 200 lbs
- Density: ASTM D-792 43 lbs cubic ft

**QUALIFIES FOR UP TO 5 LEED POINTS**
Made from 92% recycled SBR (styrene-butadiene rubber) tire rubber
Jumpax® CP is a dry leveling cement based screed underlayment system developed to be installed over lightweight wood frame construction in place of gypsum topping. Jumpax® CP consists of a top & bottom cement bonded panel that weighs 4 1/4 lb per sq ft and will increase the STC rating. Jumpax® CP is an excellent alternative to gypsum based topping which can take up to 28 days to dry before flooring can be installed. Jumpax® CP allows for fast track installation in which most floors can be installed the same day.

Jumpax CP (with underlay)
Acoustic Improvement ∆ 22 IIC points.

ProCurve underlayments are designed to reduce impact noise in the floor ceiling assembly. ProCurve underlayments are crush resistant, durable and offer high acoustic performance under concrete, screed or plywood topping. ProCurve underlayment is available in standard thicknesses of 6mm, 8mm, 17mm and 25mm as well as custom thicknesses.

ProCurve Screed Insulation Mats achieve an impact sound reduction value of ∆ Lw = 18 to 26 dB.
ADHESIVES

T-440 ACRYLIC ADHESIVE

Impacta T-440 adhesive is a high performance acrylic adhesive designed for bonding CeraZorb and VC300 installations. The hard setting feature of Impacta T-440 resists indentation from static and rolling loads and helps to restrict thermal movement of the finished floor. With its superior bond and low odor, it is ideal for use in residential and commercial installations.

SPECIFICATIONS
- Gallons per pail: 4
- Weight per pail: 48 lbs

USE UNDER:
- ProBase & Cerazorb for Tile
- VC300 & ProBase Vinyl for Vinyl

T-950 URETHANE ADHESIVE

Impacta T-950 is a 100% solid, one component, moisture cured urethane adhesive recommended for mainstream wood floor installation. Impacta T-950’s formulation is perfectly suited for traditional solid wood flooring and engineered wood flooring of all sizes. Easy to trowel, Impacta T-950 exhibits quick grab to hold planks in place during installation, yet it provides enough slip time to align everything perfectly.

SPECIFICATIONS
- Gallons per pail: 4
- Weight per pail: 70 lbs

USE UNDER:
- ProBase & Cerazorb for Hardwood and Engineered Wood
Sound Seal is a leading manufacturer of commercial and architectural acoustic noise control products and offers a wide product selection to the soundproofing industry.

Sound Seal has stayed true to this vision and consists of three product lines: The Architectural Division which handles interiors, The Industrial Division which deals with outdoor and in-plant noise control, and the Impacta Flooring Division which deals with floor underlayments.

Sound Seal is currently housed in a 50,000 sq ft state of the art facility in Agawam, Massachusetts, providing its customers with a complete line of soundproofing and noise control products.