

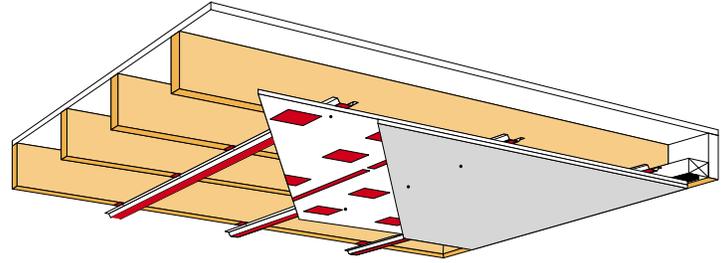
# ASC IsoCeiling



- ◆ The only engineered soundproofing system made for high power audio playback.
- ◆ Dampens bass vibration, eliminates shudder.
- ◆ Eliminates the structural resonant dip in TL (Transmission Loss).
- ◆ Extends STC way beyond 125 Hz, to sub-sonic levels.

## High End Soundproofing for Ceilings

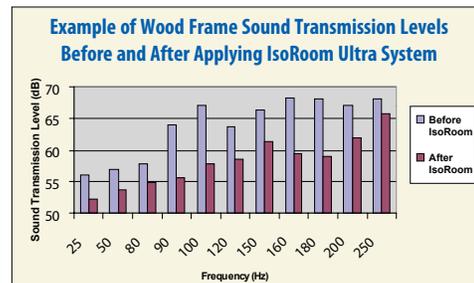
Since 1989 when ASC engineered the IsoDamp System, hundreds of satisfied customers have enjoyed its unique benefits available only from ASC. ASC has taken a proven, 50 year old soundproofing technology called resilient channel, and added low frequency sound damping. Our resilient channel includes a layer of WallDamp elastomeric copolymer.



## Resilient Channel Plus WallDamp

When resilient channel is treated with WallDamp, you get a “one-two” punch when it comes to stopping low frequency sound penetration. Low frequency sound produced by subwoofers is the most difficult to deal with and has nothing to do with STC ratings.

## IsoDamp Ceiling Systems



For basement home theaters, high end listening rooms and recording studios, the ceiling is often the biggest concern. IsoDamp Ceiling Systems has unique design features that actually enhance the acoustic properties within the treated room. When walls and ceilings are fully treated with IsoDamp, sound is contained and low frequency sound vibration is converted into heat energy, never

to be heard from again. This is ideal for any high powered audio application.

## IsoCeiling is Easy to Install

IsoCeiling is easy to install when you follow our included instructions and recommendations. You supply the sheetrock and screws, we supply everything else. Shipping is fast and simple too, typically via UPS for most projects. Installation doesn't require a college degree, special inspections or special tools. See the back page for instructions to help you determine how much IsoCeiling to order.

## Our Engineers are Here to Help

Over the years we've encountered all kinds of special situations such as recessed lighting, cable pass-throughs and ventilation issues. In every case, our acoustic engineers came up with answers and/or custom products that exceeded the customer's expectations.



**ASC** ACOUSTIC SCIENCES CORPORATION

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**1-800-ASC-TUBE**

## IsoCeiling Components

IsoCeiling is an engineered system of components that work together to enhance the classic standard resilient channel soundproofing developed by USG. The first component is **Perimeter Gasket**, which surrounds the perimeter of your ceiling. This is a 1/2" x 2" x 60" strip of sound damping material used to compensate for the thickness of the RC channel. **RC Pads** are used on ceiling joists where dRC-2 Channel will be installed. **dRC-2 Channel** is 72" lengths of resilient channel with added WallDamp damping. **WallDamp Squares** are used between the first and second layers of gypsum board. **Acoustical Sealant** is used to fill gaps where ceiling meets walls, and any HVAC or lighting openings. Sealant is also used to seal all gypsum board seams.

## How to Order IsoCeiling

Determining the quantity you need is a simple three step process.

**Step One:** Measure your ceiling and create a small drawing to scale. Take the length parallel to the joists and divide it by 12. Subtract 2 from this number and you get the number of rows of dRC-2 Channel required. A 12 foot length will give you 10 rows. Take the length perpendicular to the joists divide it by 6' (the length of each dRC-2 Channel). Round it off to the next highest multiple of 6. This gives you the number of Channel units per run. For a 10 foot run, the unit count would be 2 (Channel is easy to cut and must be overlapped). Now take your units per run and multiply that by the number of rows. For a 10' x 12' room, the total unit count would be 16. This leaves extra that can be shipped back to ASC for a refund if unused.

**Step Two:** Determine perimeter gasket quantity by adding up the sum of the perimeter measurements. For amount of WallDamp Squares determine the square footage and that gives you the number of Squares required. For amount of RC Pads, count each intersection where dRC Channel meets a joist. For a 10' x 12' room, the Pad count would be 48. Tubes of Acoustic Sealer cover up to 120 feet of run. One tube is enough for most small rooms. For medium sized jobs, order two.

**Step Three:** Call ASC and place your order. Any unused product can be returned for a full refund (shipping not included).

**PERIMETER GASKET**



**dRC PADS**



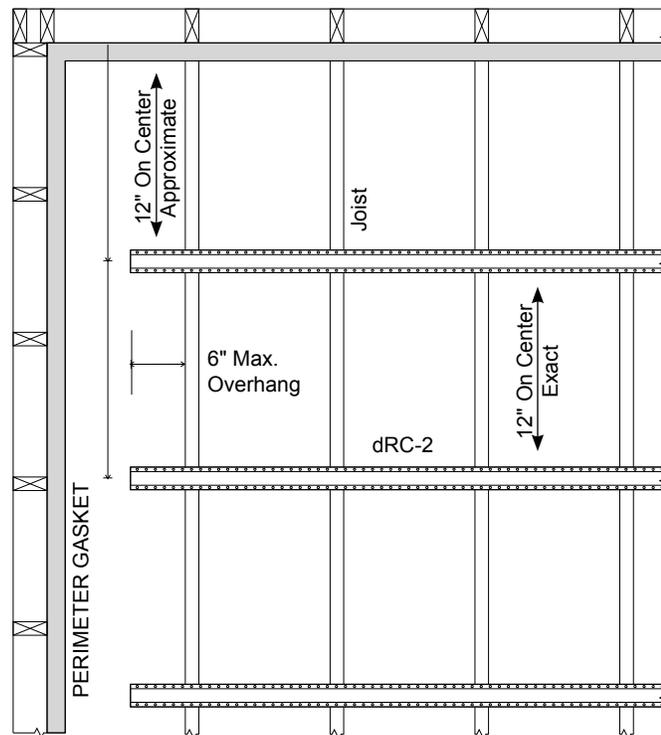
**WALLDAMP SQUARES**



**dRC-2 Damped Resilient Channel for Ceilings**



**ACOUSTICAL SEALANT**



**CEILING PLAN**

**Important:** If you want more info about installing resilient channel, consult the USG Gypsum Construction Handbook, [www.usg.com](http://www.usg.com).