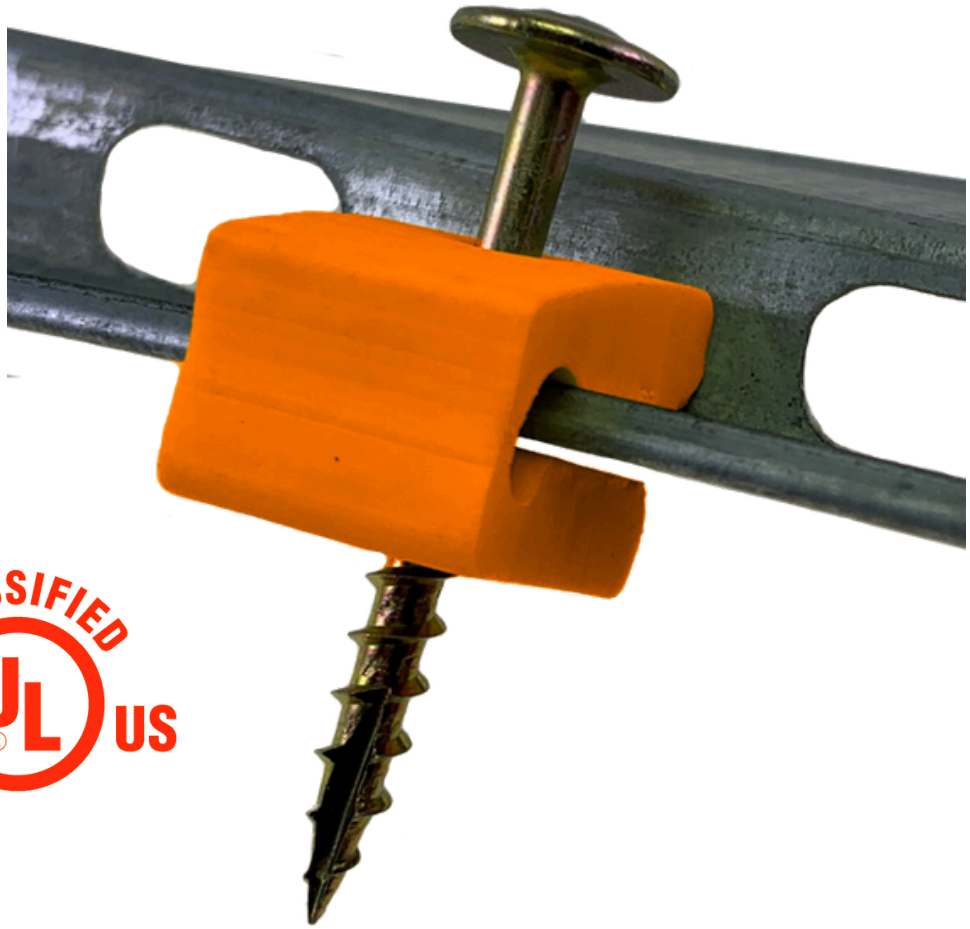
PAC International

NOISE CONTROL SOLUTIONS

REAL SOLUTIONS IN CONSTRUCTION



CLASSIFIED C UL US

RC-1 Boost®

PAC International, LLC.
World Class Noise Control Solutions
Canby, OR – Las Vegas, NV
866-774-2100
info@pac-intl.com
www.pacinternationalllc.com

RC-1 Boost is the most cost-effective way to improve the IIC rating of common floor/ceiling assemblies with resilient channels.

PAC's testing shows that adding the RC-1 Boost can consistently provide a 5-point increase in the IIC rating of assemblies with resilient channels. This makes the RC-1 Boost a less expensive and more effective means of improving IIC ratings when compared with the typical methods of adding batt insulation or gypsum board layers.

Base Assembly

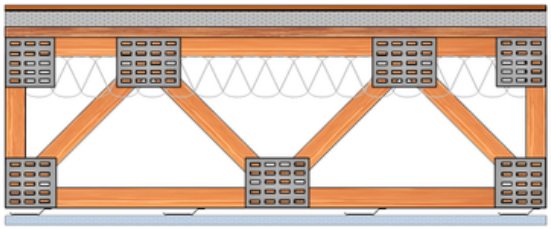
PAC International

L2271.24 (Intertek)

CONSTRUCTION

- Kahrs Linnea Wood Flooring Floated
- Ecore QT4002 2mm Rubber Underlayment Floated
- 3/4" (19mm) Gypsum Concrete Topping
- 3/4" (19mm) OSB
- 18" (457mm) Open Web Truss @ 24" oc. (610mm)
- 3-1/2" (89mm) R-13 Fiberglass Insulation
- ClarkDietrich RC-Deluxe @ 16" oc. (406mm)
- 1 Layer 5/8" (16mm) Firecode "C" Gypsum Board

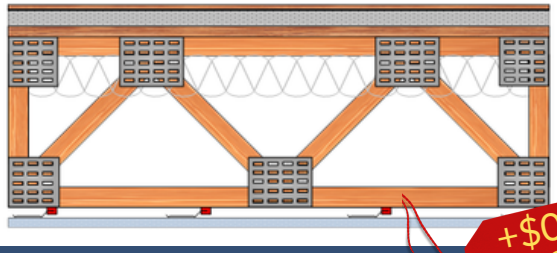
IIC 55



Preferred Method for Improving Performance

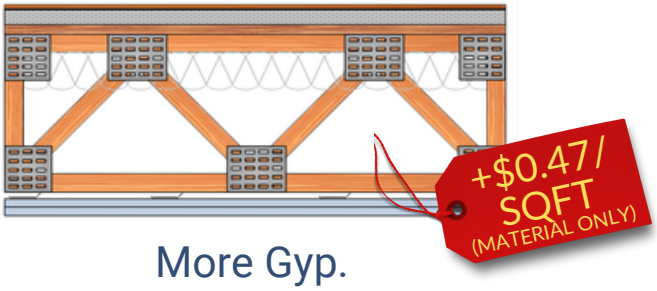
PAC
RC-1 Boost

IIC 60



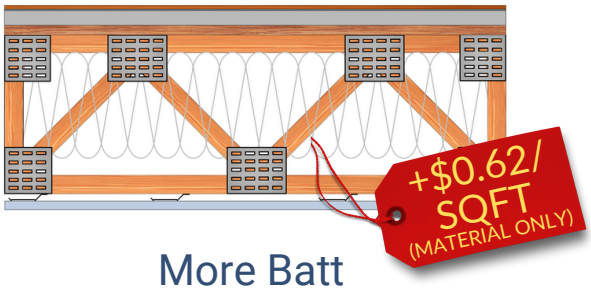
Common Methods for Improving Performance

IIC 57



More Gyp.

IIC 58



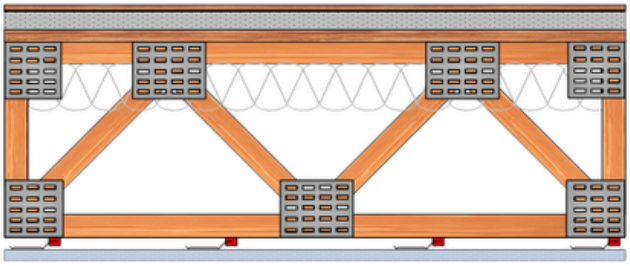
More Batt

RC-1 BOOST - RSIC - RSIC-1 - Resilient Sound Isolation Clip are registered Trademarks.

RC-1 Boost®

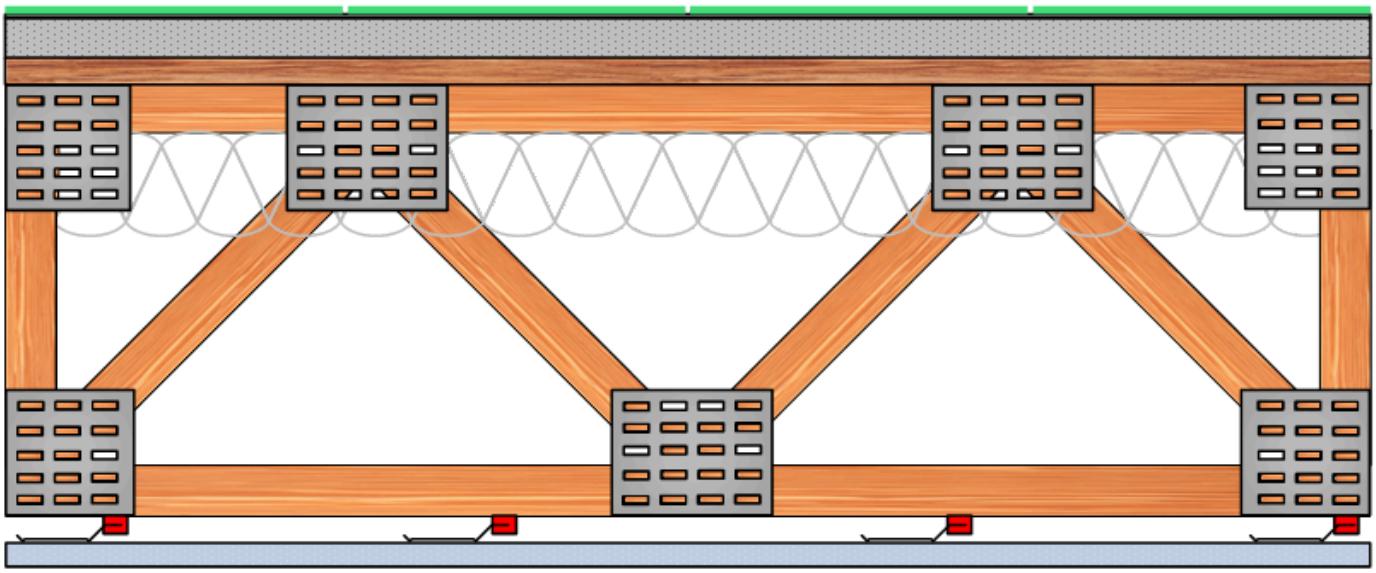
Historically, most acoustical tests with resilient channels have used one type of resilient channel that includes dog-bone-shaped holes in the vertical web. This resilient channel has had several different names over the years, but it's currently ClarkDietrich's RC-Deluxe. Testing has shown that other resilient channels do not perform as well acoustically. When RC-Deluxe is specified on a project, it's common to see other types of resilient channels actually installed in the field, resulting in poorer acoustical performance and potentially a lack of code compliance.

RC-1 Boost can be used to make the acoustical performance of other resilient channels match or exceed that of RC-Deluxe. This provides many alternatives to RC-Deluxe to allow for more competitive bidding, and it provides a solution for times when RC-Deluxe is specified but another type of channel is sent to the job site.



Ceiling Attachment	STC	IIC
*Phillips RC-1 Tru-25	59	52
RC-1 Boost + Phillips RC-1 Tru-25	60	57
*Dietrich RC-Deluxe	59	55
RC-1 Boost + Dietrich RC-Deluxe	60	60
*Dietrich RC-Deluxe (2x GWB)	61	57
RC-1 Boost + Cemco RC-1	60	57
RC-1 Boost + Dietrich RC-1 Pro	60	57
RC-1 Boost + MarinoWare RC-1	60	56
RC-1 Boost + MarinoWare RC-Max	60	57
RC-1 Boost + Phillips RC-1 Max	60	57
RC-1 Boost + Scafco Serenity	60	57

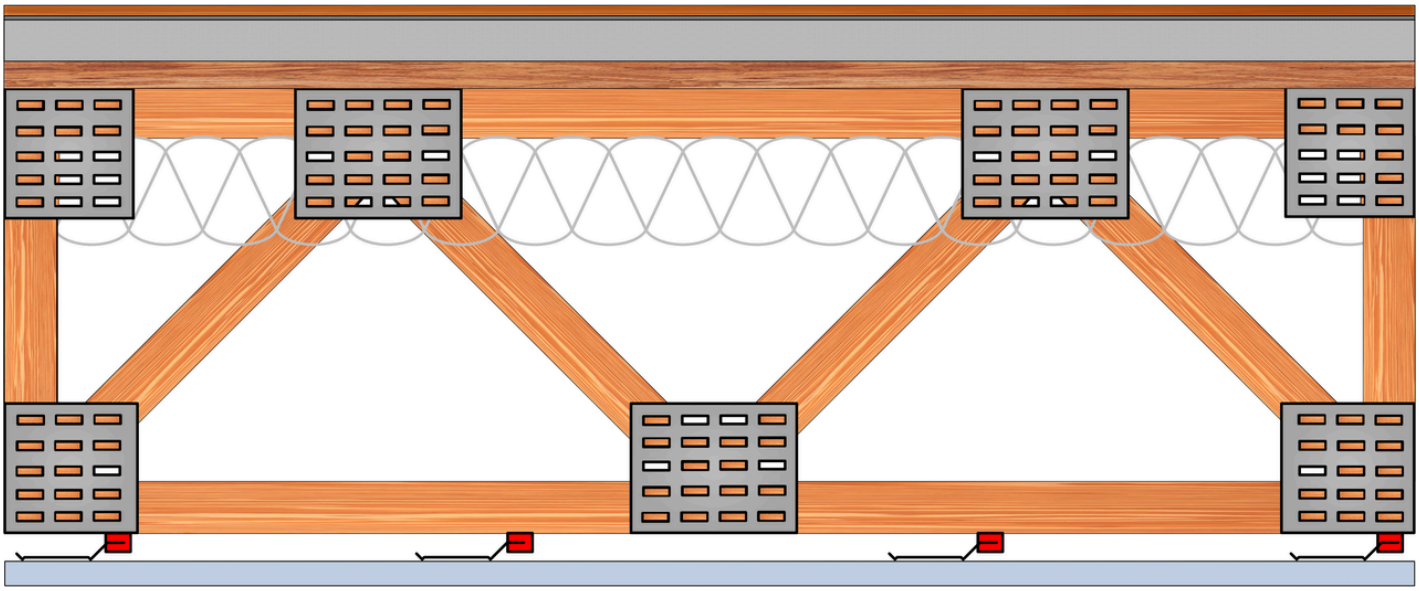
RC-1 BOOST - RSIC - RSIC-1 - Resilient Sound Isolation Clip are registered Trademarks.



Comparison of RC-Deluxe with PAC's RC-1 Boost on RC-1 Pro

		STC		IIC		HIIC	
Flooring	Underlayment	Boost + RC-1 Pro	RC-Deluxe	Boost + RC-1 Pro	RC-Deluxe	Boost + RC-1 Pro	RC-Deluxe
Wood (Loose)	QT4002 (Loose)	**60**	59	**57**	55	**67**	63
Wood (Glued)	QT4002 (Glued)	**61**	60	**57**	53	**64**	59
LVT	QT4002	**61**	60	**54**	52	**57**	55
Tile	QT4002	**61**	61	**54**	51	**55**	52

For additional testing data, go to: www.pacinternationalllc.com/login



Improves performance of all resilient channel

Most cost-effective IIC improvement

Alleviates supply issues with premium resilient channels

Included in over 78 UL fire-resistive designs