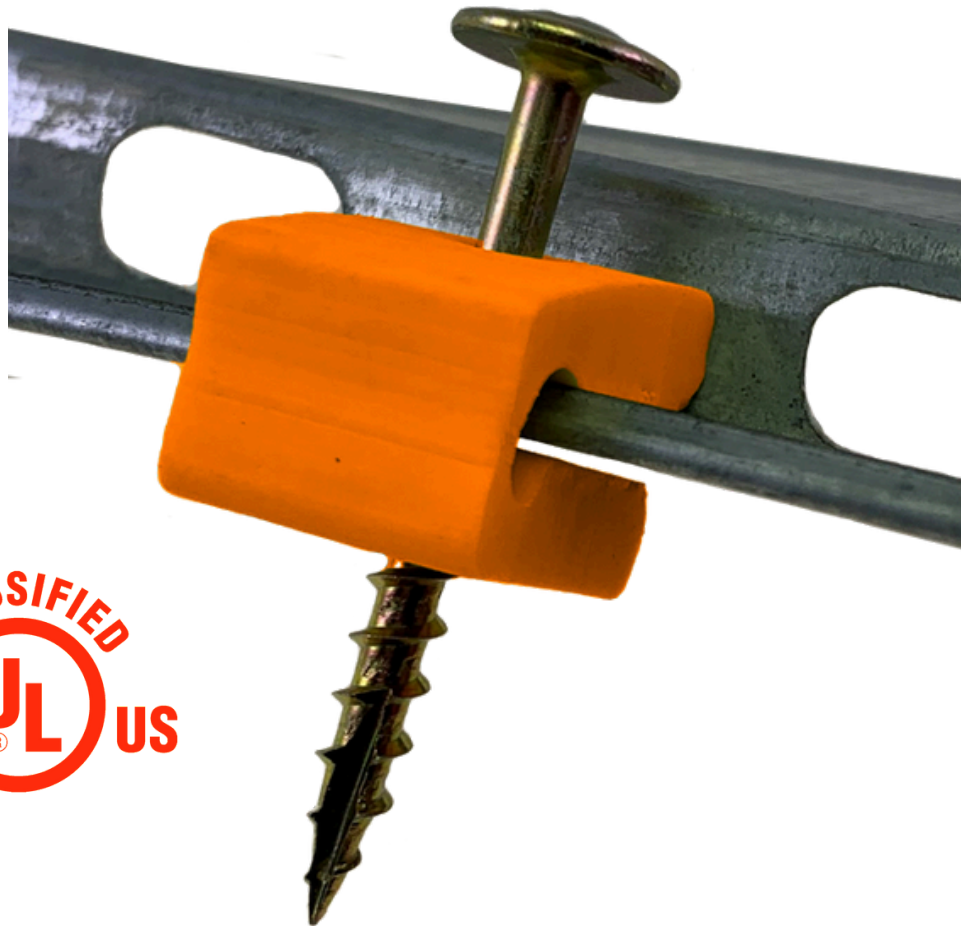


# PAC International



REAL SOLUTIONS IN CONSTRUCTION

## NOISE CONTROL SOLUTIONS



# RC-1 Boost®

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

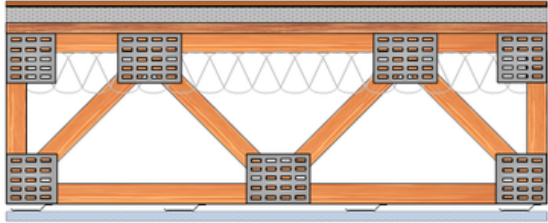
**PAC**  
International

**L2271.24 (Intertek)**

CONSTRUCTION

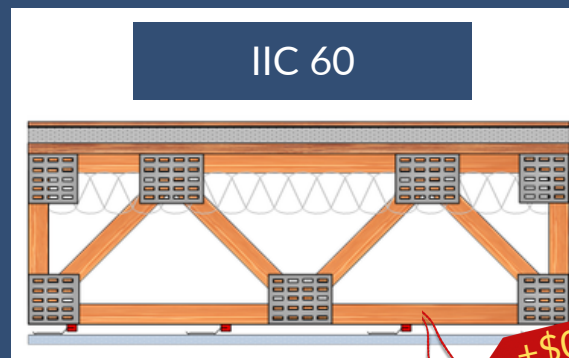
- Kahrs Linnea Wood Flooring Floated
- Ecore QT4002 2mm Rubber Underlayment Floated
- 3/4" (19mm) Gypsum Concrete Topping
- 3/4" (19mm) OSB
- 18" (457mm) Open Web Truss @ 24" oc. (610mm)
- 3-1/2" (89mm) R-13 Fiberglass Insulation
- ClarkDietrich RC-Deluxe @ 16" oc. (406mm)
- 1 Layer 5/8" (16mm) Firecode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

**IIC 55**



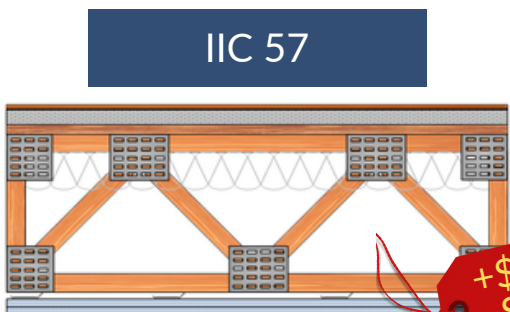
## Preferred Method for Improving Performance

PAC  
RC-1 Boost



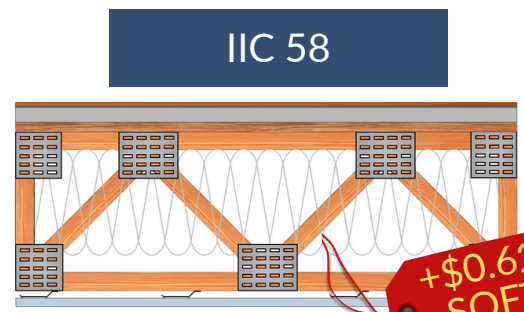
**+\$0.17/  
SQFT  
(MATERIAL ONLY)**

## Common Methods for Improving Performance



More Gyp.

**+\$0.47/  
SQFT  
(MATERIAL ONLY)**



More Batt

**+\$0.62/  
SQFT  
(MATERIAL ONLY)**

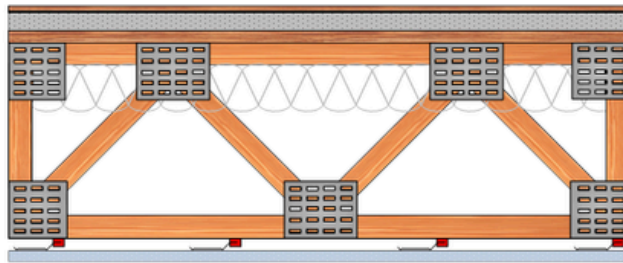




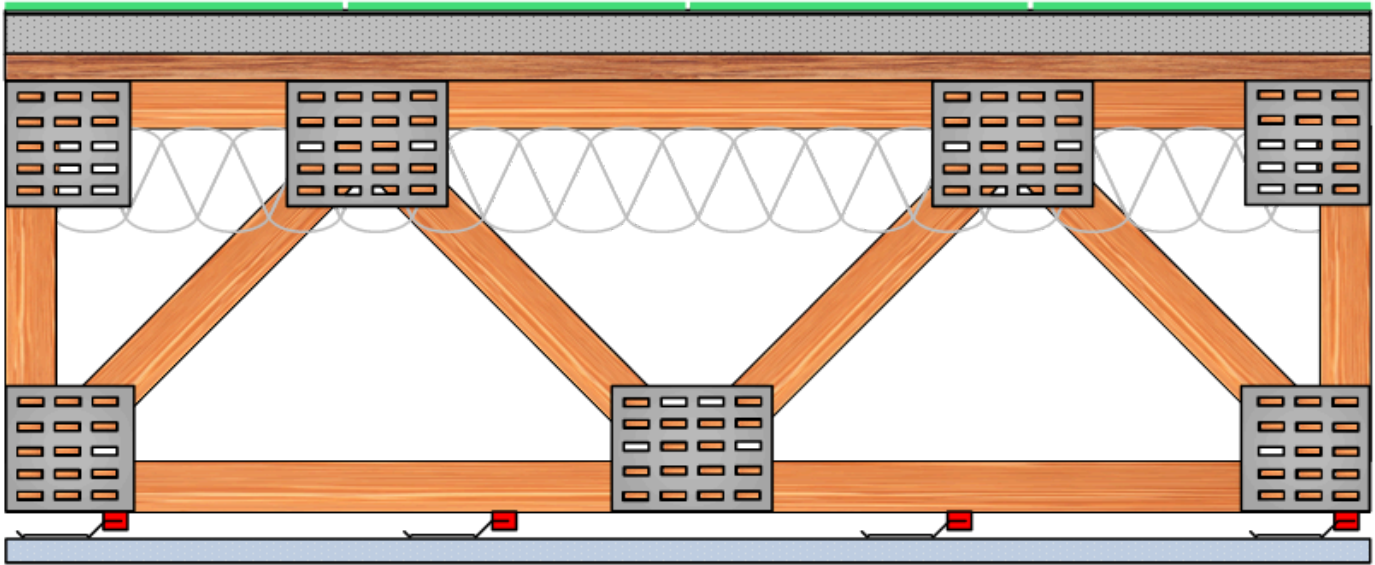


Historically, most acoustical tests with resilient channels have used one type of resilient channel that includes dog-bone-shaped holes in the vertical web. This resilient channel has had several different names over the years, but it's currently ClarkDietrich's RC-Deluxe. Testing has shown that other 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.



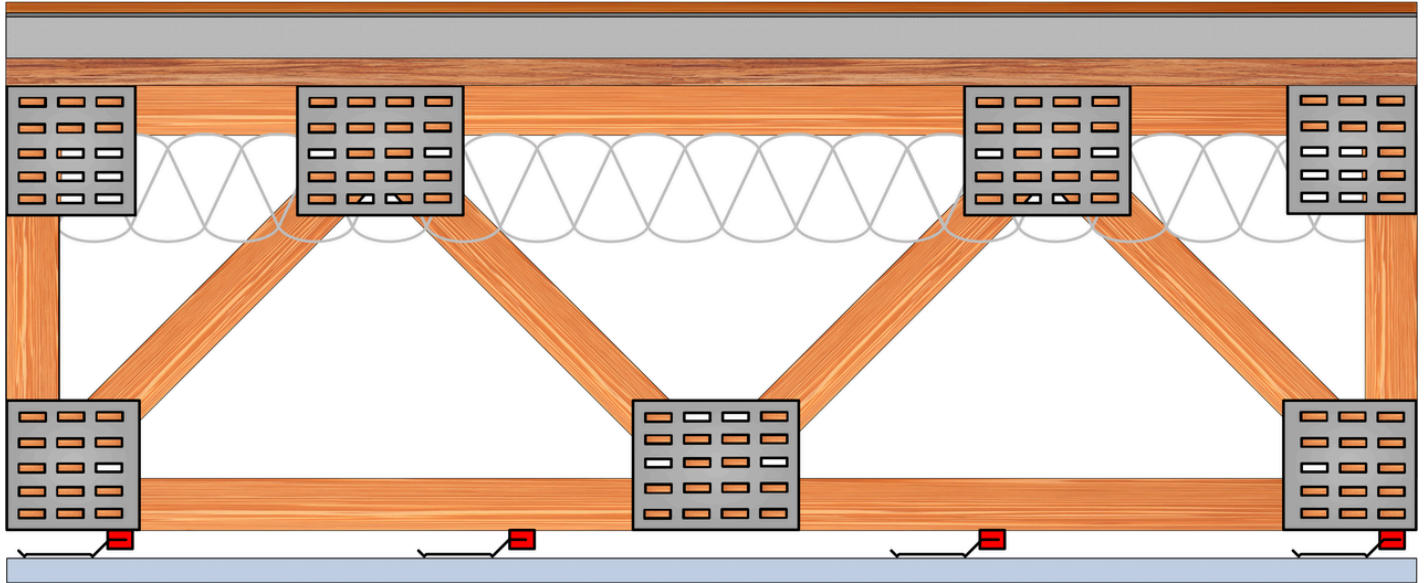
Ceiling Attachment	STC	IIC
*Phillips RC-1 Tru-25	59	52
RC-1 Boost + Phillips RC-1 Tru-25	60	57
*Dietrich RC-Deluxe	59	55
RC-1 Boost + Dietrich RC-Deluxe	60	60
*Dietrich RC-Deluxe (2x GWB)	61	57
RC-1 Boost + Cemco RC-1	60	57
RC-1 Boost + Dietrich RC-1 Pro	60	57
RC-1 Boost + MarinoWare RC-1	60	56
RC-1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



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

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

For additional testing data, go to:  
[www.pacinternationalllc.com/login](http://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 79 UL fire-resistive designs**