

# Quiet Rail®



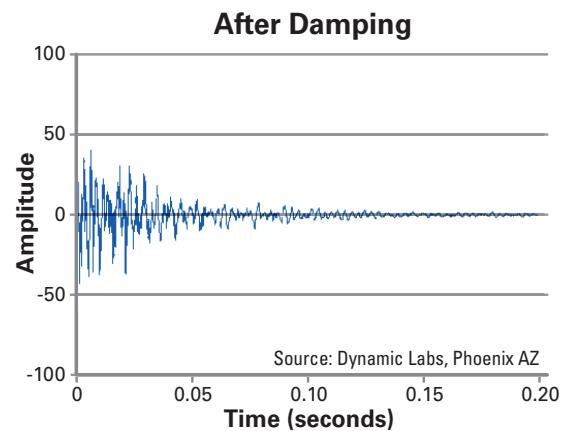
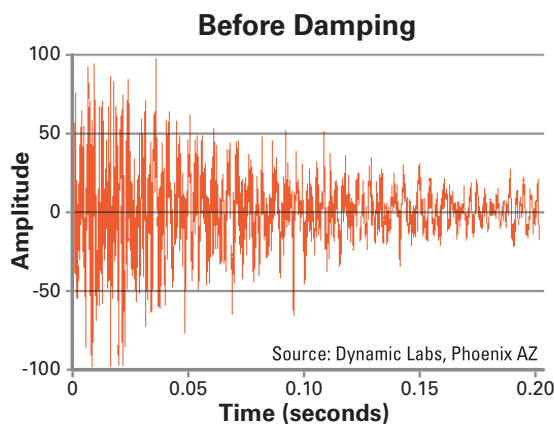
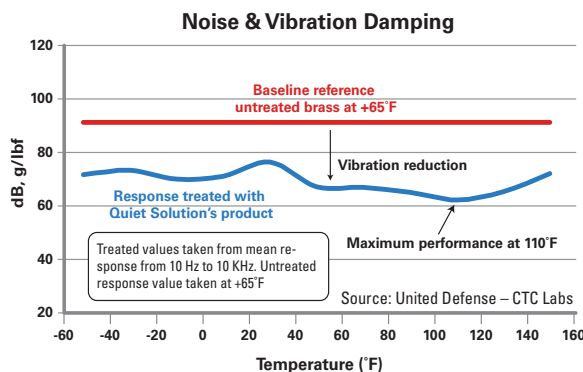
**Soundproof coating for rolling stock and passenger coaches. Excellent for renovating older equipment. Damps both interior and exterior-generated noise. Formulated nonflammable, fire-retardant, non-toxic, rust-resistant and anti-fungal. Environmentally friendly. Lab tested to rail industry specifications.**

Water-based and fully compliant in every state, ultra-low VOC's

Available in 16oz spray can, 32oz, 1-gallon, 5-gallon, and 50-gallon containers

**Can achieve loss factors equivalent to conventional damping materials with 16% of the weight and 6% of bulk.**

- A highly advanced product. Not simply a noise barrier, but a noise and vibration absorber
- Specifically engineered for use on non-porous surfaces such as metals, fiberglass, plastics etc.
- Easily applied with brush, roller, airgun, or airless sprayer
- Typical noise reduction from 6dB to 20dB, depending on application
- Accelerated drying times for handling in under 20 minutes



Simple  
Clean  
Fast  
Effective



# QuietRail®



## Examples

- Can be used as replacement material for conventional damping materials such as asphalt based mats if a higher loss factor is required and/or if the installation time is limited.
- Can be used to lower the weight of a certain design while maintaining the loss factor.
- Can be used in automated production of new products and vehicles to reduce the total cost of the noise and vibration damping efforts.

## Application of the Product

No undercoating required. Do not thin the material. The surface must be free from grease and dirt. Bare steel surfaces may optionally be primed before being sprayed with QuietRail.

Apply with brush, roller, or airless sprayer. A compressor based air spray gun may also be used. Apply in single coats of 1.0mm thickness. Thicker coats and multiple coats enhance the damping properties. See dry-to-recoat chart to determine drying time needed before a second coat is applied (this is also the tack-free time).

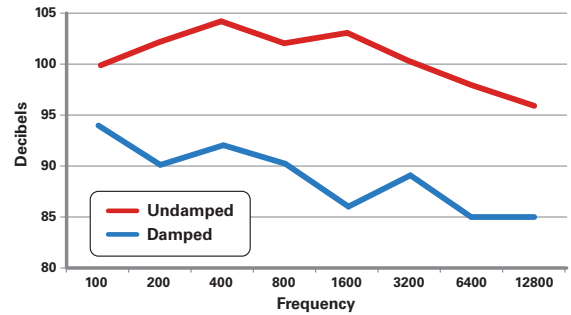
The coating is fully cured in 24 hours, however will continue to develop noise absorption properties for up to 7 days. After the product is fully cured it can be painted if desired.

See MSDS and Application Notes for further information.

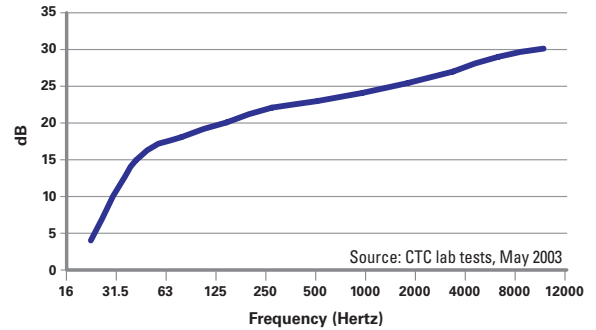
## Technical Data

<b>Color</b>	Gray
<b>Odor</b>	No odor after curing
<b>Density</b>	1650 kg/m <sup>3</sup>
<b>Solid Content</b>	Approx. 77% by weight
<b>Viscosity</b>	4,000 centipoise
<b>Fully Compliant</b>	Ultra low VOCs (<30g/l)
<b>Flash Point</b>	Above 250°F (121°C) Will not burn
<b>Apply at</b>	45°–100°F (7°–38°C)
<b>Layer Thickness</b>	0.02"–0.06" (0.5–1.5mm, 20–60 mils)
<b>Coverage</b>	20–40 sq. ft./gal typical
<b>Storage Temp</b>	40°–100°F (5°–38°C) Do not freeze
<b>Shelf Life</b>	One year
<b>Weight</b>	12.58 lbs/gal
<b>Weight after curing</b>	8.5 lbs/gal

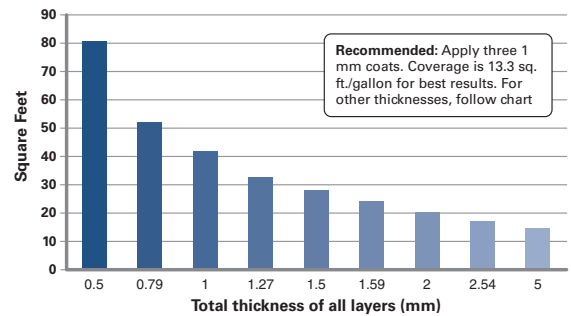
dB Reduction in Noise - Typical Results



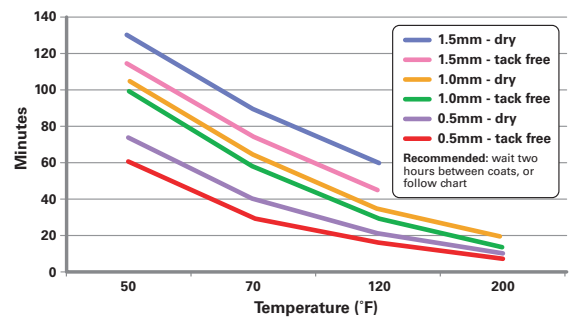
Acoustic Loss



Coverage per Gallon



Dry-to-Recoat Time



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