

SOUND **dB**ATE™

Up-To-Date Technical Information from Dynamic Control of North America, Inc.

Product Comparison: Dynamat Xtreme vs. Brown Bread



Material Overview

Dynamat Xtreme is a viscoelastic highly effective constrained layer damping material.

Its patented damping butyl formula combined with its 4 mil stiff aluminum constraining layer give Dynamat Xtreme the title, "Best Damping Material in Car Audio." Xtreme can withstand temperature ranges between -54°C to +149°C (-65°F to +300°F) and is highly resistant to aging.

"Brown Bread is a viscoelastic deadener with a supercharged Bitumen based adhesive. By suspending certain mineral particles within the compound it has been proven to be extremely efficient at vibration to thermal energy conversion."

Bitumen is defined as any of various naturally occurring mixtures of hydrocarbons and their nonmetallic derivatives. Examples include crude petroleum, asphalt, and tar. (*We searched Bitumen on the internet. Its primary use is for roofing materials.*)

Application and Handling

Installation: Easy no heat required. Simple peel and stick. One layer delivers excellent performance (see performance chart).

Flexibility: Extremely flexible

Odor: None

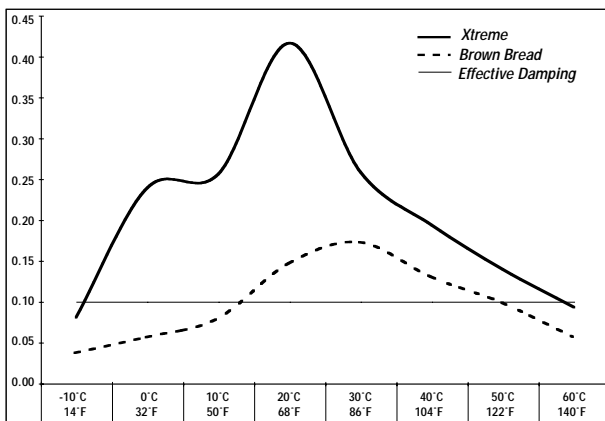
Handling: Extremely sticky. Be careful where you install it. It will say there.

Installation: Requires heat for proper installation. Recommends 2 layers for optimal performance (see performance chart).

Flexibility: Extremely flexible

Odor: Tar like smell

Handling: Requires heat to adhere properly. Leaves brown greasy residue on hands when applying.



Performance Chart Comparison

This is an industry standard Oberst test. This test is conducted at different temperatures in a given frequency range. To be an effective damping material, the performance material has to exceed a damping coefficient of 0.10. As you can see, Dynamat Xtreme clearly outperforms Brown Bread's maximum damping capability and damping range. Xtreme's maximum performance of 0.42@ 20°C (68°F) is almost two and a half times higher than Brown Bread's peak performance of 0.17 @ 30°C (86°F) Xtreme's maximum effective range from -10°C to 60°C (14°F to 140°F) is twice as wide as Brown Bread's range of 15°C to 50°C (59°F to 122°F) (*Note: Results obtained from independent laboratory testing.*)

Summary

Dynamat Xtreme is clearly the winner. Xtreme is a patented material specifically designed for vibration control. Brown Bread's Bitumen is designed for roofing materials. Xtreme has no smell, requires no heat and outperforms Brown Bread nearly 2 times! Xtreme's effective frequency range is twice as wide as Brown Bread.

Dynamat Xtreme is a product worthy of the #1 Brand Name in sound control!