Tremco Incorporated
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TREMCO®
Commercial Sealants & Waterproofing

We certify that Tremflex® 834 has been tested against ASTM C 834, Standard Specification for Latex Sealants and does conform to the specification requirements and is classified as follows:

Type:	OP	(Opaque)
Grade:	-18°C	(Meets the requirements of low temperature flexibility)

Tremflex 834 is classified as a Type S, single component, Grade NS, non-sag, and Use NT, non-traffic acrylic latex sealant.

Tremflex 834 meets CAN/CGSB-19-GP-17M.

Although Tremflex 834 is not NSF registered, or previously authorized by USDA, it does meet the requirements for use in Federally inspected food processing facilities provided it is not used in areas where food is being processed, prepared or packaged. The material must also be applied in a manner which prevents any direct or indirect contamination of food. Additionally, before any food product can be placed in the area of treatment, the sealant must be allowed to cure according to manufacturer's recommendations and the area should be sufficiently free of odor to prevent food contamination.

Typical Physical Properties

Property	Test Method	Results
Movement	ASTM C 920	+/- 12.5%
VOC Content	EPA Method 310	20g/L
Shelf Life		Min.1 yr (@ 40-110°F (5-43°C))
STC Rating	ASTM E-90	Restored to 59 in a U411 wall
		See tables below
pH		7-9
Antifungal		Contains antifungal additive
Peel Strength, pli		8-14 (substrate dependent)

Table 2. Acoustic Performance of Wall Systems

Base Wall System (No Leaks)	STC
Wall Type 1. One layer 5/8" gypsum board, with joints taped and filled, either side of 3-5/8" steel studs, spaced 24" on centre, with absorptive material in cavity.	45*
Wall Type 2. Two layers 1/2" gypsum board, with joints overlapped, taped and filled, either side of 3-5/8" steel studs, spaced 24" on centre, with absorptive material in cavity.	53*

Predicted Acoustic Degradation due to Leakage and Performance of Tremco Sealant (STC)			
Sealant Material	**Acoustical Sealant**	**TREMstop Acrylic**	**TremFlex 834**
Wall Type 1 with 1/4" gap along top or bottom of 8' high wall.	26 (no sealant)		
Above sealed with one 1/4" bead** on one side only.	44	41	43
Above sealed with one 1/4" bead on both sides.	45	45	45
Above sealed with two 1/4" beads on both sides.	45	45	45
Wall Type 2 with 1/4" gap along top or bottom of 8' high wall.	26 (no sealant)		
Above sealed with one 1/4" bead on one side only.	48	43	47
Above sealed with one 1/4" bead on both sides.	53	52	53
Above sealed with two 1/4" beads on both sides.	53	53	53

* as per National Building Code of Canada, Table A-9.10.3.A.
** depth of bead before shrinkage.

Table 1. Acoustic Performance of Tremco Sealants

Material Properties

Material	Acoustical Sealant	TREMstop Acrylic	TremFlex 834
Shear Modulus* (G_R), N/m^2	45,000	200,000	410,000
Loss Factor* ($\tan(\delta_L)$), dimensionless	0.33	0.56	0.67
Density (cured), kg/m^3	1720	1100	1630
Depth after Shrinkage of 1/2" bead, inches	0.465	0.371	0.391
Predicted Acoustic Performance of Sealant Alone			
Sound Transmission Loss (STC) of single 1/4", (as applied**) bead	30	24	28
Sound Transmission Loss (STC) of single 1/2", (as applied**) bead	36	30	34
STC of two 1/4", (as applied**) beads, separated by 3.5", with sound absorption material in between	48	36	44
STC of two 1/2", (as applied**) beads, separated by 3.5", with sound absorption material in between	60	48	56

* based on tests at 25° C, and 100 rad/s. G_R is the real component of the complex shear modulus.
** depth of bead before shrinkage.