



THERMALAM™ 50/1005 Expansion Joint Material

SINGLE MEMBRANE PTFE/FIBERGLASS LAMINATED COMPOSITE ENGINEERED FOR HIGH-TEMPERATURE FLUE GAS SERVICE

THERMALAM™ 50/1005 Expansion Joint Material:

THERMALAM™ 50/1005 is capable of performing in flue gas temperatures up to 1000°F (538°C).

A nonwoven fiberglass mat with a thickness of 1/2" (12 mm) is laminated to TEXFILM™ 1005, an exceptionally durable outer cover component because of its bonded 0.005 in (0.12 mm) thick CrossFilm™ gas seal barrier.

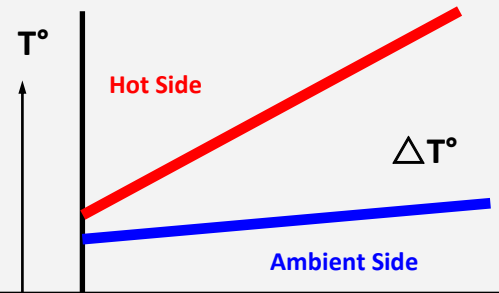
Because the insulation mat is mechanically bonded to the outer cover component, it acquires the tensile and tear strength properties of TEXFILM™ 1005. As a result, the service life of the high temperature THERMALAM™ material is significantly extended.

Also, the single membrane construction minimizes the formation of "hot spots" and greatly simplifies the installation of the expansion joint.

THERMALAM 50/1005 can be fabricated into numerous expansion joint shapes and sizes.



This plot shows the capability of THERMALAM™ 50/1005 resting on a hot plate in a room temperature environment.



THERMALAM™ 50/1005 PROPERTIES

| | |
|---------------------------------|---|
| Upper Use Temperature: | 1000°F (538°C) Continuous Service |
| Weight: | 111 oz/yd ² (3774 g/m ²) |
| Thickness: | 1/2" (12 mm) nominal |
| Width: | 59" (1498 mm); Special widths available |
| Tensile Strength (Warp): | 1000 lbs/in (8756 N/50 mm) |
| Tensile Strength (Fill): | 1000 lbs/in (8756 N/50 mm) |

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