



# 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" (12.6 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.

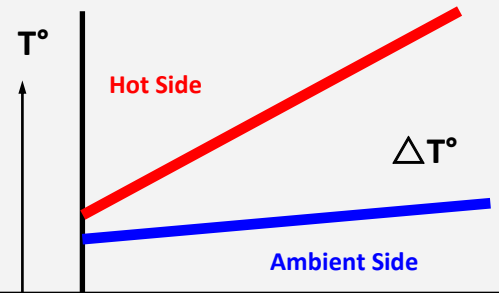
Because the insulation mat is mechanically bonded to the outer cover component, it acquires the tensile and tear strength properties of TEXFILM™ 1005. As a result, the service life of the high temperature THERMALAM™ material is significantly extended.

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™ 50/1004 resting on a hot plate in a room temperature environment.*



## THERMALAM™ 50/1005 PROPERTIES

<b>Upper Use Temperature:</b>	1000°F (538°C) Continuous Service
<b>Weight:</b>	111 oz/yd <sup>2</sup> (3774 g/m <sup>2</sup> )
<b>Thickness:</b>	0.538" (14 mm)
<b>Width:</b>	59" (1498 mm); Special widths available
<b>Tensile Strength (Warp):</b>	1000 lbs/in (8756 N/50 mm)
<b>Tensile Strength (Fill):</b>	1000 lbs/in (8756 N/50 mm)

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