

# THERMAL PATCH SERIES

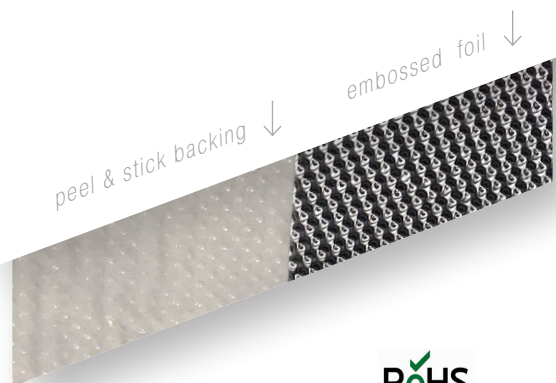
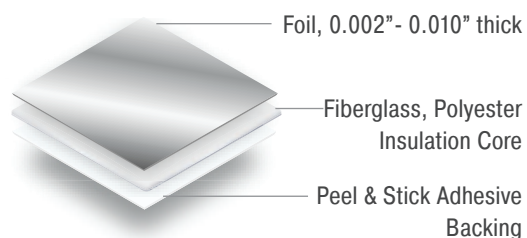
Increase passenger comfort.  
Reduce noise, vibration, and harshness.  
Support lightweighting initiatives.

**TABshield™** thermal patch series is available in several standard-sized sheets and rolls, or it can be custom die-cut to meet your specific project requirements.

Options include:

- All-glass insulation core - for increased temperature resistance
- Peel & stick adhesive backing—for ease of installation
- Adhesive pull tabs—for easier liner removal
- Embossing—for better formability
- Microperforating—for improved acoustical performance
- High-temperature/Low Surface Energy Adhesive

## COMPOSITION:



# Thermal & Acoustical Barrier TABshield™

TABshield™ patch series is designed to provide superior thermal and acoustic performance under tough conditions. A lightweight alternative to traditional metal heat shields, it is easy-to-install, conformable to most shapes, and an ideal solution for a variety of targeted noise and heat suppression applications.

## BENEFITS:

- **Stops** both radiant and conductive heat
- **Absorbs** engine and road noise
- **Lightweight** construction
- **Low cost** tooling
- **Made** in the USA
- **Resistant** to common automotive fluids
- **Approved** to Ford WSS-M99P32-E6

## APPLICATIONS:

**Targeted thermal & acoustical protection** for engine shields, tunnel insulators, dash insulators, hood insulators, engine compartments, exhaust shields, tunnel shields, marine heat shields, appliance, HVAC, and more.

*Ideal for use in applications with space or weight constraints.*

## PHYSICAL PROPERTIES: (TAB210E tested)

Construction	Needled core laminated with foil and optional PSA		
Weight per Unit Area, g/m <sup>2</sup> FLTM BN 106-01	1491.4 avg.		
Thickness, mm ASTM D1777-96	3.97 avg.		
Moisture Absorption	0.3%		
Thermal Conductivity, W/mK ASTM C177-13	20°C	65°C	93°C
	0.034	0.038	0.044
Flammability FMVSS302	Pass		
Temperature Resistance	Long-term to 400°F (200°C) in ambient air		

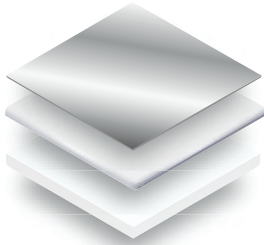
Here are just a few of the TABshield patch constructions we have available to meet your specific needs.

Custom constructions are available for your particular application.

**Just Ask Us!**

Thermal & Acoustical Barrier

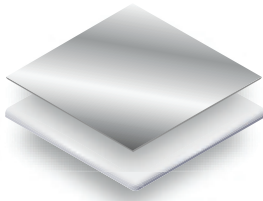
**TABshield™**



**TAB 200 SERIES (FOIL + INSULATION + ADHESIVE)**

TAB210	10 mil foil 0.2" insulation core High temp acrylic pressure sensitive adhesive
TAB203	3 mil foil 0.2" insulation core High temp acrylic pressure sensitive adhesive
TAB202	2 mil foil 0.2" insulation core High temp acrylic pressure sensitive adhesive

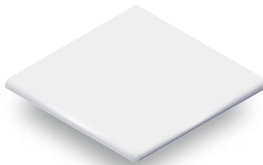
The constructions above can be ordered plain, embossed (E), embossed and microperforated (EMP), or with a low surface energy PSA (-LSE).



**TAB 100 SERIES (FOIL + INSULATION)**

TAB 110	10 mil foil 0.2" insulation core
TAB 103	3 mil foil 0.2" insulation core
TAB 102	2 mil foil 0.2" insulation core

The constructions above can be ordered plain, embossed (E), embossed and microperforated (EMP).



**TABCORE SERIES (INSULATION)**

TABCORE	0.2" insulation
TABCORE-A	0.2" insulation High temp acrylic pressure sensitive adhesive
TABCORE-LSE	0.2" insulation Low surface energy pressure sensitive adhesive