

Thermal and Acoustical Systems

FlexShield® High Temperature Pipe Wrap



FlexShield® is a thermal and acoustical insulator designed to be directly mounted to any exhaust system – with particular application for maintaining gas temperature in urea injection systems. The shields are composed of high temperature fabrics that will withstand an aggressive thermal environment.

Applications:

- Turbo Shields
- DPF/SCR Insulation Systems
- Urea Injection Pipes
- Solid Exhaust Pipes
- Flexible Bellow pipes
- Custom designed for any exhaust system

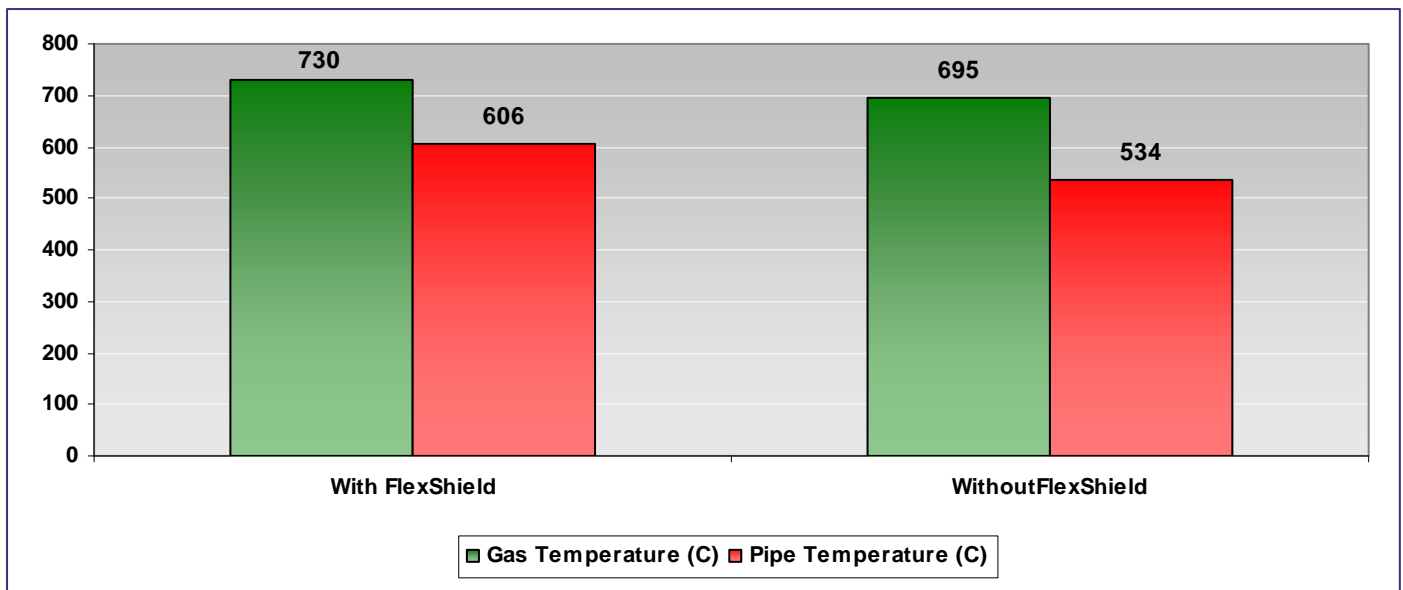
Features and Advantages:

- Very low tooling cost
- Reduces temperature drop of exhaust to improve operating efficiency of exhaust after-treatment systems
- High ΔT across the material to protect heat sensitive components
- Significantly greater durability compared to foil tape insulation
- Damps pipe vibrations
- Absorbs exhaust noise for improved Acoustic performance
- Easy to remove for quick servicing
- IR signature masking
- Various constructions available to meet the most demanding application

Typical Properties:

K-Value per ASTM C518	
24° C	0.046 W/m-K
93° C	0.052 W/m-K
Thickness per SAE J1355	12.7 mm
Gravelometer per SAE J400	2-4 chips measuring 1-3 mm per 103 cm ²
Corrosiveness to Steel per ASTM B117	Passes 1000 hours – salt fog method

*All values Approximate



Lydall Thermal / Acoustical, Inc.

www.lydallautomotive.com

info@lydall.com

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Detroit Sales & Technical Center: (248) 277-4900
(800) 260-3351
Germany Sales Office: +49 (0) 23 54 709 0
Japan Sales Office: +81 (3) 5288 6325