

QSP™ Insulation

Introduction

QSP™ Insulation is a high-performance insulation material designed to withstand high vibration and temperature exposure up to 1260°C.

As a manufacturer of fibers used in a variety of catalytic converter applications, Unifrax has successfully utilized furnacing expertise and state-of-the-art processing technology to produce a unique family of high-temperature fibers with superior performance properties.

QSP Insulation combines excellent thermal stability at high temperatures, high insulation properties, low erosion profile and low shot content in a lightweight, flexible product that can be cut in several different shapes and formats. Typical applications that may require cone insulation include:

- Closed-couple converters
- Diesel oxidation catalysts
- Diesel particulate filters
- SCR units

Unifrax provides a global network of application engineering services and will provide you with a technical recommendation for your specific converter design.



Product Availability

Basis Weight	Nominal Thickness*	Typical Installed Density
(g/m ²)	mm	g/cm ³
1200	6.8	0.28-0.58
1600	9.0	0.28-0.58
1800	10.1	0.28-0.58

*Thickness measured @ 0.725 kPa.

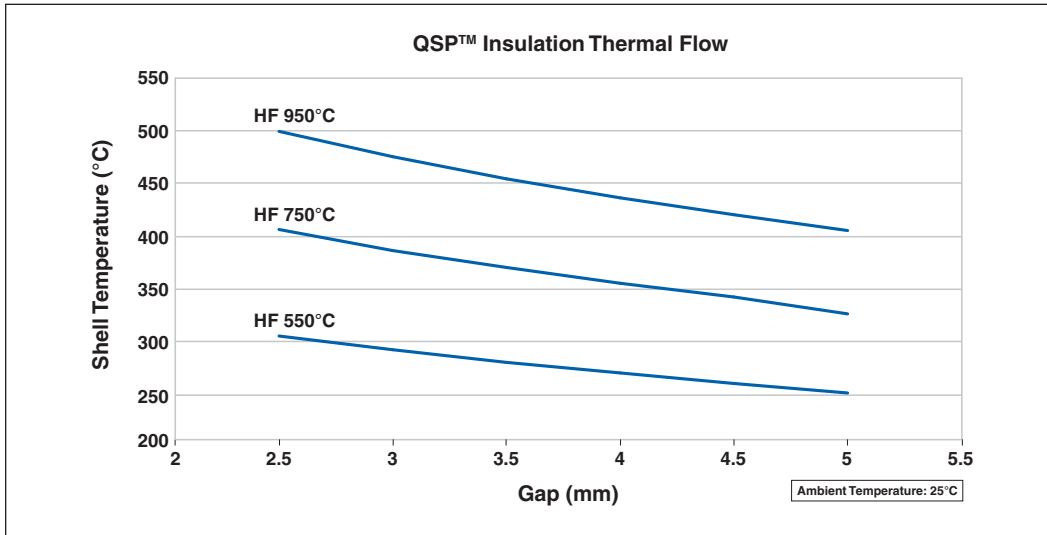
Typical Composition & Properties

Fibers	100%
LOI	5-8%



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Thermal Flow Curve



Worldwide Technical Support

Unifrax is a worldwide sales and service organization with several international locations and representatives. The services that we provide include thermal modeling, system design engineering assistance, and failure analysis as well as technical exchange programs. For additional information regarding QSP Insulation or any of our catalytic support mats, please contact the Unifrax Emission Control Application Engineering Department at 716-768-6461 or aecoordinator@unifrax.com.



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Data are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.

Refer to the product Safety Data Sheet (SDS) for recommended work practices and other product safety information.

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