



# PLANIX™ MEGATHERM HIGH

## Composition

Megatherm High is a technologically advanced product that combines various components to achieve high performance. Its composition includes expanded vermiculite sheets, heat-resistant biosoluble fibers and a perforated SS316L support. This balanced combination of materials gives the product excellent thermal, chemical, and mechanical resistance.

## Characteristics

Expanded vermiculite sheets contribute to lightweight and thermal resistance, while heat-resistant biosoluble fibers further enhance resistance to high temperatures. Megatherm High shows a remarkable flexibility and resilience of the gasket, ensuring an excellent seal. The perforated SS316L support provides structural strength and facilitates installation. Megatherm High is designed to withstand the most demanding applications and extreme temperatures. Its unique chemical formulation allows reliable use up to 1000°C, ensuring strength, durability, and reliability even in critical conditions. The reduced weight loss of the product further contributes to its superior performance.

## Applications

Thanks to its resistance to high temperatures and reliability, Megatherm High is ideal for critical applications where other products may fail. It finds widespread use in industrial settings requiring a robust and durable gasket, ensuring optimal performance even in the most extreme conditions.

## Tech Data

Megatherm High		
Compressibility DIN 3535-6	%	>20
Recovery DIN 3535-6	%	>2.2
Creep relaxation DIN 3535-6	%	<18
Leakage DIN 3535-6	mg/(s*m)	<0.10
Max recommended temperature	°C	1000
Pressure		
Room Temperature	bar	60
High temperature	bar	2
Colour	Gold	Brown
Dimensions		
Standard L x W	mm	1500 x 1500
Other L x W	mm	1000 x 1000
Thickness	mm	1 ÷ 3

- Do not use the product at maximum temperature values or under pressures higher than those typical of flue gases. Consult the manufacturer for further information.
- Other gasketing sheet dimensions and thicknesses are available on request
- The dimensional tolerances of the gasketing sheets are: W and L  $\pm 3,0\%$ , H  $\pm 10,0\%$



## Planix™ Megatherm High

The Planix Megatherm range includes a complete set of gasketing sheets intended for high temperature services with oxidizing fluids that cannot be handled by graphite gaskets. The products are made both with vermiculite treated with special bio-soluble fibers and with phlogopite mica to offer a wide choice. The sheets without reinforcement are also suitable as an insulating material due to the high dielectric value of the mica.

- **Planix Megatherm High**
  - Vermiculite reinforced gasketing sheet
- **Planix Megatherm R**
  - Mica Phlogopite reinforced gasketing sheets
- **Planix Megatherm S**
  - Mica Phlogopite without reinforcement
- **Planix Megatherm Filler**
  - Mica Phlogopite for semi-metallic gaskets



The information in this publication, as well as any additional information provided to users, is based on experience and is shared to the best of our current knowledge. However, due to numerous factors beyond our knowledge and control that may affect the use of these products, no warranties are provided or implied regarding this information. The operating limits presented in this publication do not imply that these values can be applied simultaneously. Do not use the product at the maximum temperature and pressure values simultaneously. The maximum temperature is suitable only for short-term exposure under specific conditions. Specifications are subject to change without prior notice. The picture in the DS may not accurately depict the exact color and/or markings of the product.

**CARRARA**  
GLOBAL SEALING SOLUTIONS

**Carrara S.p.A.**,  
Via Provinciale 1/E - 25030 Adro - BS - Italia  
tel. +39 030 7451121 / fax +39 030 7451130  
[www.carrara.it](http://www.carrara.it) - [info@carrara.it](mailto:info@carrara.it)