

# SUPRANITE® NGR

## ADVANTAGES

- ➔ The specific multilayer adhesive free structure of SUPRANITE® NGR gives it higher performances than other classical types of graphite based reinforced sheet.
- ➔ SUPRANITE® NGR has outstanding mechanical properties and remains stable when overstressed at both cold and hot temperature.
- ➔ SUPRANITE® NGR combines a good level of compressibility associated with a high elastic recovery.
- ➔ SUPRANITE® NGR is easy to handle and cut, and preserves its integrity under high stresses during tightening process.

## CONSTRUCTION-COMPOSITION

**SUPRANITE® NGR** is made of high purity expanded graphite foils and ultra thin stainless steels laminated in a multi-layer structure capable of withstanding high stresses.

The graphite and stainless steel are bonded without glue by an exclusive physico-chemical process that gives **SUPRANITE® NGR** outstanding cohesion.

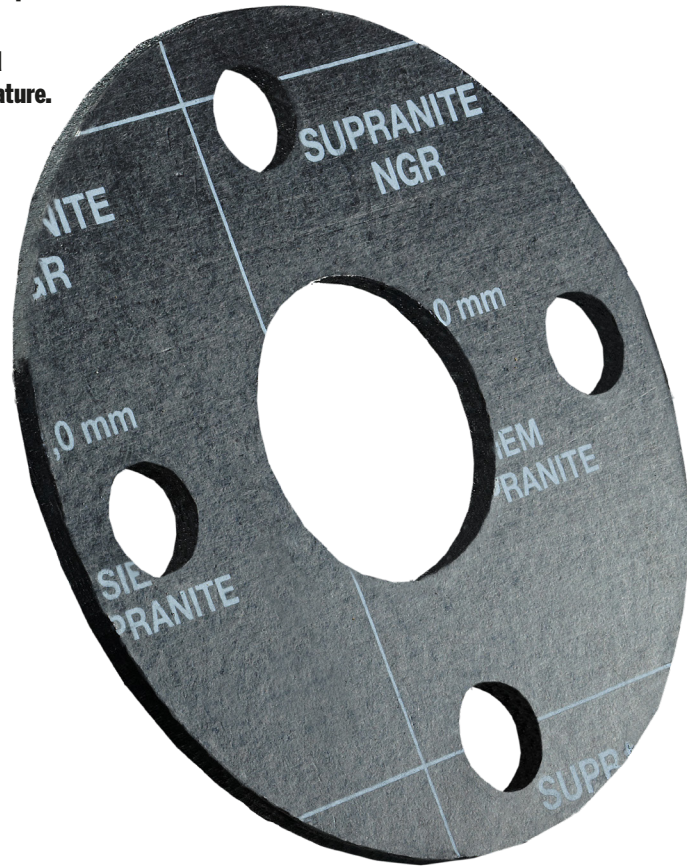
The adhesive free structure gives **SUPRANITE® NGR** a broader spectrum of chemical compatibility (\*) than other types of graphite sheets.

(\*) Consult us for highly oxidizing acids.

## APPLICATIONS

**SUPRANITE® NGR** provides a highly satisfactory seal with various fluids (hydrocarbons, steam, etc...) as soon as the gasket starts to be tightened.

**SUPRANITE® NGR** behaves remarkably in narrow gaskets and can therefore be considered as an alternative to the semi-metallic gaskets (exchangers, etc.).



## TECHNICAL CHARACTERISTICS

Max. temperature in inert atmosphere	800°C
<b>Max. temperature in oxidizing medium</b>	<b>550°C</b>
Min. temperature	- 269°C
<b>Max. pressure</b>	<b>250 Bar</b>

## INDUSTRIES CONCERNED



Energy



Petrochemicals/  
Refining



Chemicals



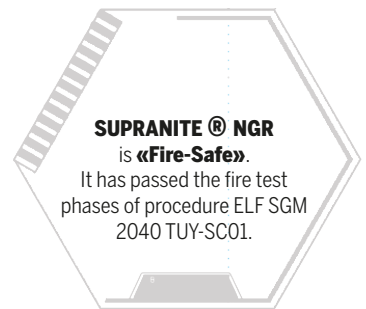
Metallurgy



Paper-making

## PACKAGING

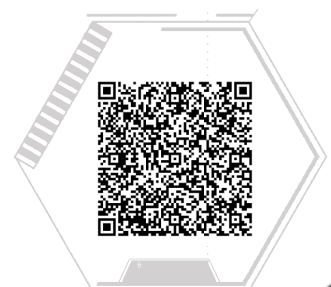
1,5 x 1,5 m SHEETS					
NUMBER OF SHEETS per package					
Thickness (mm)	<b>1</b>	<b>1,5</b>	<b>2</b>	<b>3</b>	<b>4</b>
Number of sheets	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>



**SUPRANITE® NGR**  
is «Fire-Safe».

It has passed the fire test  
phases of procedure ELF SGM  
2040 TUY-SC01.

For more information, contact our staff  
using the contact details below or by  
scanning this QR-CODE:



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