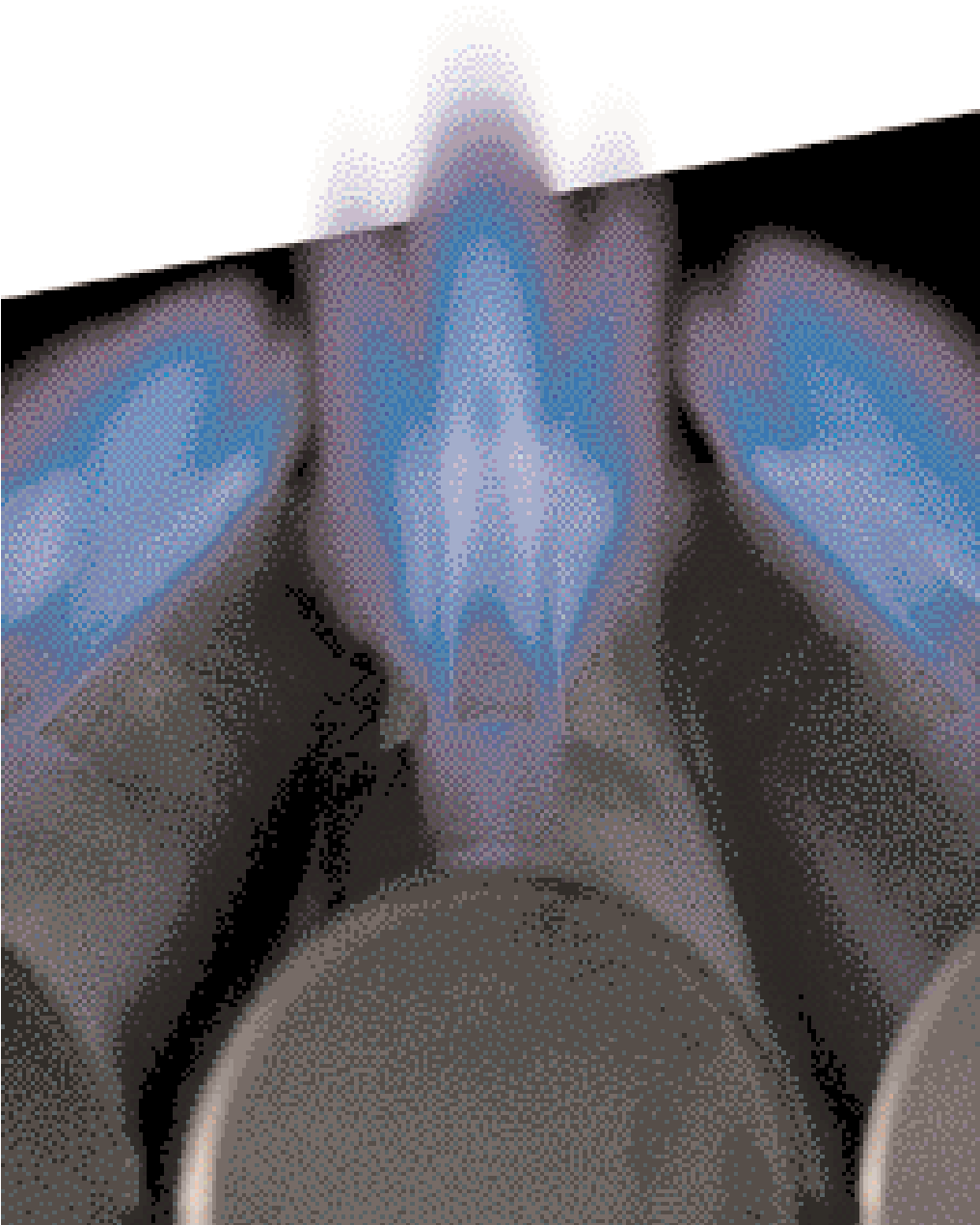


Case Study No. 5:

A World of Fire – Xtreme® plus Flange Gaskets for Heating Burners




THE CHALLENGE

Sealing extremely hot media is extreme in every way. Temperatures approach 1000 °C. And heating applications involve a great deal of alternating loads, which is the ultimate test of endurance for any gasket. This is truly a battle against the elements.

THE SOLUTION FROM VICTOR REINZ

Master the elements – with Xtreme® plus, the highly temperature resistant and adaptable sealing material made from a pegged stainless steel core and expanded mica. If the gasket will be subjected to extreme mechanical forces and sealing requirements, we can also integrate stainless steel inner grommets. In addition to being able to withstand higher internal pressures, this solution also provides significantly greater cross-sectional impermeability. As a result, dealing with the elements will not be stab in the dark.

**What kind of challenge do you face?
Give us a call!**

 **+ 49 (0) 731-70 46-777**



VICTOR REINZ®

Technical Data ¹⁾		Xtreme [®] plus
Residual stress 16 h, 300 °C	DIN 52913	
Nominal thickness 1.2 mm		~ 42 N/mm ²
Nominal thickness 1.6 mm		~ 38 N/mm ²
Core		
Stainless steel		1.4828 (AISI 309)
Core thickness		0.20 mm
Ignition loss of the soft material	DIN 52913	
1 h, 950 °C		< 10 %
Compressibility and Recovery	ASTM F36 J	
Compressibility		5 - 15 %
Recovery		> 40 %
Swelling	ASTM F146	
- in oil IRM 903 ; 5 h, 150 °C (replaces ASTM oil No. 3)		
Increase in thickness		< 5 %
Increase in weight		< 15 %
- in ASTM Fuel B ; 5 h, room temperature		
Increase in thickness		< 5 %
Increase in weight		< 10 %
- in water/antifreeze (50:50) ; 5 h, 100 °C		
Increase in thickness		< 10 %
Increase in weight		< 18 %
Continuous temperature , maximum		950 °C
Surface pressure , maximum, at 600 °C		75 N/mm ²

Form of delivery ²⁾		Xtreme [®] plus
Gaskets according to drawing, dimensional specifications, or other agreements		
Rolls		500 mm wide
Roll length (nominal thickness 1.2 mm)		170 m
Roll length (nominal thickness 1.6 mm)		130 m
Nominal thickness		1.2 mm
		1.6 mm
Tolerances		±0.1 mm

Note: Refer to data sheet No. 180 or visit our website at www.reinz.com/datasheet for more detailed information.

¹⁾ The preceding technical data applies to the material in its delivery condition without additional treatment or handling.

²⁾ An inner eyelet is beneficial during critical applications.

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