

James Walker

Vermilion[®]

Seven

RGD, sour and
extrusion resistance



High Performance Sealing Technology



Low temperature performance

TR10 -20°C (-4°F)
T70 -23°C (-9°F)



High temperature performance

Continuous
+160°C (+320°F)



Sour qualification

Qualified to Norsok
M-710 ISO 23936-2
'sour'

Qualified to API 6A
FF/HH ISO 10423
'sour'



Norsok M-710 / ISO 23936-2 Testing for RGD resistance

'0000' rating at 100°C
6.99 mm / 150 bar / 90% CH₄ 10% CO₂ / 10 cycles

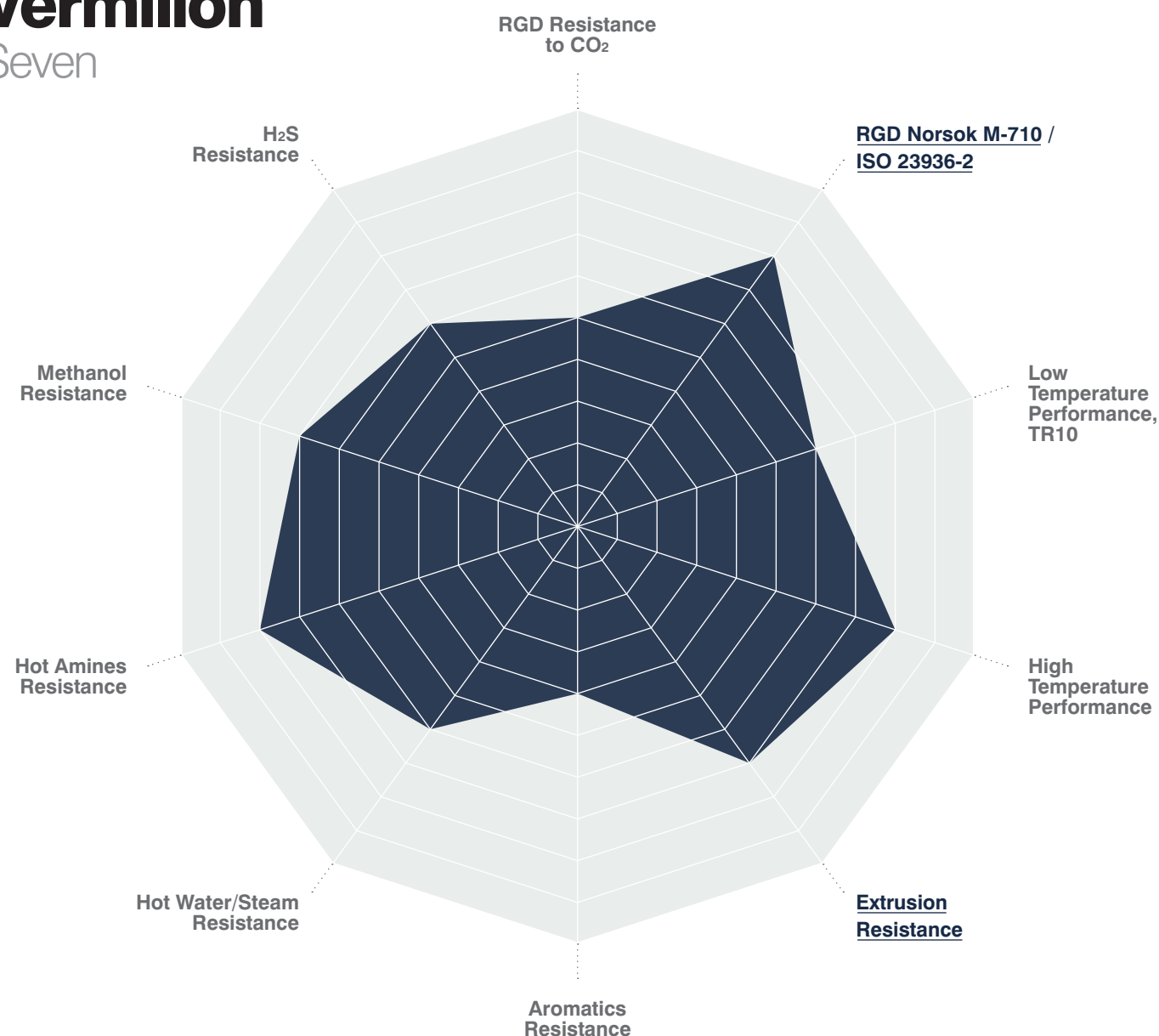
'0000' rating at 125°C
5.33 mm / 150 bar / 90% CH₄ 10% CO₂ / 8 cycles

Vermilion[®] Seven



RGD, sour and extrusion resistance

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Vermilion[®] Seven is a next generation enhanced performance development of James Walker's industry leading Elast-O-Lion[®] 101 material.

An hydrogenated nitrile (HNBR) material offering excellent rapid gas decompression (RGD) resistance at elevated temperature and good resistance to sour conditions combined with outstanding physical robustness and improved extrusion resistance.

Sealing capability confirmed down to -33°C (-27°F)
in product configured testing

(See material data sheet for test details)



This is a graphical overview of material performance characteristics.
Those characteristics highlighted in blue underlined text represent the areas of enhanced performance over existing technology.

Details of all approvals are available on our material data sheets. Full third party test reports are also available.

James Walker Worldwide

Australia

T: +61 2 9721 9500
E: sales.jwau@jameswalker.biz

Belgium

T: +32 3 820 79 00
E: sales.be@jameswalker.biz

Brazil

T: +55 11 4392 7360
E: sales.br@jameswalker.biz

China

T: +86 21 6876 9351
E: sales.cn@jameswalker.biz

France

T: +33 437 49 74 80
E: sales.fr@jameswalker.biz

Germany

T: +49 4038 60810
E: sales.de@jameswalker.biz

India

T: +91 224 0808080
E: sales.in@jameswalker.biz

Ireland

T: +353 214 323626
E: sales.ie@jameswalker.biz

Italy

T: +39 2 2578308
E: sales.it@jameswalker.biz

Middle East

T: +971 481 78888
E: sales.jwme@jameswalker.biz

Netherlands

T: +31 186 633111
E: sales.nl@jameswalker.biz

New Zealand

T: +64 9 272 1599
E: sales.nz@jameswalker.biz

Norway

T: +47 22 75 75 00
E: sales.no@jameswalker.biz

Singapore

T: +65 6715 6300
E: sales.sg@jameswalker.biz

South Africa

T: +27 31 304 0770
E: sales.za@jameswalker.biz

Spain & Portugal

T: +34 94 447 00 99
E: sales.es@jameswalker.biz

UK

T: +44 1270 536000
E: sales.uk@jameswalker.biz

USA

T: +1 708 754 4020
E: sales.jwna.us@jameswalker.biz

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To ensure you are working with the very latest product specifications, please consult the relevant section of the James Walker website: www.jameswalker.biz.

James Walker Sealing Products & Services Ltd

Registered Office: Lion House, Oriental Road,
Woking, Surrey GU22 8AP, United Kingdom.

Reg no: 00264191 England