Sealant Technologies

For Fluid Sealing and Transport
For more than 40 years, the Sealant Technologies Group of W. L. Gore & Associates has fostered a solid knowledge of factors that influence the sealing of piping systems, vessels, pumps and valves. Our singular focus has resulted in the development of innovative and top-performing gaskets and packings. We’ve also established a comprehensive technical services program, specially designed to help customers determine the best solutions for their toughest sealing applications.

Products that Seal
Because of its unique combination of properties, GORE® expanded PTFE virtually eliminates the drawbacks of conventional PTFE sealing and fluid handling products. Our gasket configurations provide solutions for flanges that are fragile, warped or misaligned. We also enable users to standardize one gasket material across a wide range of process piping systems. Our packings are among the highest-performing, most universal products on the market today.

Global Company ... Global Commitment
We’re a creative technology company employing approximately 10,000 associates, in more than 30 countries around the world. Working in a distinctive company culture that encourages innovation, commitment and communication, Gore engineers have created thousands of patented and proprietary inventions. Each product is designed to be the best-performing, highest-quality product solution in its class.
APPLICATIONS

KEY

A GORE® Universal Pipe Gasket
B GORE® GR Sheet Gasketing
C GORE® Joint Sealant
D GORE® Gasket Tape Series 500
E GORE® Gasket Tape Series 1000
F GORE® Joint Sealant FT
G GORE® GFO® Packing
H GORE® Valve Stem Packing
Whether it’s a standard piping or vessel application, or a difficult and unusual sealing problem, chances are one of Gore’s gasketing products can provide a highly effective solution.

Reliable Seal
Gore sealants are among the world’s tightest, most reliable and chemically resistant gaskets. They withstand temperatures from -452 °F to +600 °F (-269 °C to +315 °C), making them ideal for high-temperature as well as cryogenic applications. And they are resistant to the most challenging chemicals.

Our gaskets are proven effective against every performance measure. They seal at low bolt loads, conform to flange deviations, exhibit high dimensional stability, resist creep and cold flow, and are highly resistant to blowout.

Gore gaskets are designed to meet the many needs of process piping materials, making them ideal for lowering total sealing system costs. They solve special sealing problems, and provide the ability to standardize with one gasket material across steel, glass-lined and fiber-reinforced plastic (FRP) systems wherever non-metallic gaskets are used.
A universal gasket for all standard flanges on chemical process piping. Designed to meet the needs of different piping materials, it is ideal for standardizing across steel, glass-lined steel, and fiber-reinforced plastic (FRP) systems. It delivers long-life performance, lowers total system sealing costs and simplifies inventory stocking requirements, while also protecting against the use of the wrong gasket.

Unmatched in sealing reliability, this unique product is ideal for sealing steel pipe and equipment flanges across a range of aggressive fluids. Gain the benefits of PTFE gasketing without the problems of creep and cold flow – along with a level of high-temperature and blowout resistance that is superior to any other PTFE sheet gasket. Highly conformable, it compresses into an extremely tough gasket that seals tight, even on irregular flanges.

The original form-in-place gasketing, it’s the most versatile and cost-effective alternative to sheet gasketing for large equipment flanges. Ideal for sealing complex surfaces, it conforms extremely well to rough or pitted surfaces. It’s easy to install, too: just peel off the backing, apply to the surface, and overlap the ends for a remarkably tight seal.

Save time, money, and trouble with this cutting-edge form-in-place product that maximizes operational reliability of large steel pipe and equipment flanges. Delivering dramatically improved creep resistance, the highly compressible tape forms a very tight seal that is long-lasting while also handling the rigors of virtually any chemical process. Unlike traditional large gaskets, this tape fits any shape instantly which eliminates large gasket fabrication and inventory challenges.

GORE® Universal Pipe Gasket (Style 800)  
GORE® Joint Sealant  
GORE® Joint Sealant FT  
GORE® GR Sheet Gasketing  
GORE® Gasket Tape Series 500  
GORE® Gasket Tape Series 1000  
GORE® Gasket Tape Series 800M
These selection criteria are for general guidance only. To determine suitability in a specific application, see the product data sheets and installation instructions on gore.com. If additional assistance is needed, please contact GORE® Gaskets Technical Support.
Proven High Performance

Packings containing 100% GORE® GFO® fiber give maintenance engineers consistently high-performing general service packing for wide application and use. Unlike other PTFE/graphite packings, only those made with GFO® fiber, with its 30-year history of trouble-free performance, deliver an unmatched level of assurance and confidence.

Because of its high durability and long life, GORE® GFO® packing is consistently high performing. Its applications include sealing shafts on high-speed pumps, mixers, agitators, or any other equipment with rotating or reciprocating shafts. GORE® GFO® packing doesn’t get hard or brittle, thereby minimizing shaft wear. Moreover, its excellent lubricity and high thermal conductivity keep it cool-running even after extended periods of continuous operation at shaft speeds to 4,300 fpm (21.8 m/s). Easy to install and remove, this packing is temperature and chemically tolerant over a wide range of conditions.

The Only Seal of Assurance Program for Packing Fibers

Many PTFE/Graphite packings are available in the market. They all look the same but often have inconsistent and/or inferior product quality. The installation of these products can lead to premature packing failure and unscheduled shutdowns. Such problems can cost a lot of time and money.

To overcome these challenges, Gore’s Seal of Assurance Program ensures that every fiber used to braid the packing is a GORE® GFO® Fiber. We even perform an after-market audit to confirm it. Look for 100% GFO® printed right on the packing – it’s the only packing that is identified this way! That is your genuine reassurance that your packing works and performs...and will keep working and performing.

A pliable, self-lubricating packing that eliminates stem wear and lasts longer. This continuous-length packing is easy to install and forms a cohesive cylinder when compressed, eliminating the need to cut and form rings.
www.gore.com/sealants
Visit our web site for more information on sealant technologies.
You'll find important information on Gore's sealing products, technical specifications, recommended applications and usage guidelines. You may also contact our technical support team about your specific sealing challenges, or to locate a Gore authorized distributor in your area.

Australia
W. L. Gore & Associates PTY Ltd.
13 Narabang Way
Belrose, NSW 2085
Tel.: +61 2 9473 6800
Fax: +61 2 9460 1246
sealants_API@wlgore.com

Brazil
W. L. Gore & Associates
Do Brasil Ltda
Edificio Bolsa de Imóveis de São Paulo Av. das Nações Unidas, 11.541 - C/52
Brooklin Paulista
São Paulo - SP
Tel.: +55 11 5502-7800
Fax: +55 11 5502-7801
vedacoes@wlgore.com

China
Gore Industrial Products
TRADE CO., LTD.
Room 43F, United Plaza
1468 Nanjing Road West
Shanghai 200040
Tel.: +8621 5172 8299
Fax: +8621 6247 9199
sealants_API@wlgore.com

France
W. L. Gore & Associés
Bercy International
8, Place des Vins De France
75012 Paris Cédex 12, France
Tel.: +33 1 56 95 65 65
Fax: +33 1 56 65 65 66
IPDFrance@wlgore.com

Germany
W. L. Gore & Associates GmbH
Hermann-Oberth-Strasse 26
D-85640 Putzbrunn
Tel.: +49 89 4612 2215
Fax: +49 89 4612 43780
sealants_EU@wlgore.com

Hong Kong
W. L. Gore & Associates (HK) Ltd.
12/F, Tower 2, Grand Century Place
193 Prince Edward Road West
Mongkok, Kowloon
Hong Kong
Tel.: +852 2622 9622
Fax: +852 2622 9898

India
W. L. Gore & Associates (Pacific) PTE LTD.
703, A-Wing, 215 ATRIUM
Andheri-Kurla Road, Chakala
Andheri (E), Mumbai - 400 053
Tel.: +91 22 67687000
Fax: +91 22 67687050

Italy
W. L. Gore & Associates, S.R.L.
Via Enrico Fermi, 2/4
37135 Verona - VR
Tel.: +39 045 6 20 92 50
Fax: +39 045 6 20 91 65
ItalySealant@wlgore.com

Japan
Nihon Gore Kabushiki Kaisha (Business Operations Center)
1F, W Building 1-8-15 Konan
Minato-ku, Tokyo
108-0075 JAPAN
Tel.: +81 3 6746 2600
Fax: +81 3 6746 2615

Korea
W. L. Gore & Associates, (Korea) Ltd.
12F Chong Kun Dang Building
368, Chungjunro-3KA
Sudaemun-Ku
Seoul 120-756 Korea
Phone: +82 2 393 3411
Fax: +82 2 393 1285
sealants_API@wlgore.com

Netherlands
W. L. Gore & Associates B.V.
Ringbaan Oost 152-A
5013 CE Tilburg
Tel.: +31 13 507 47 00
Fax: +31 13 543 87 36
sealants_EU@wlgore.com

Poland
W. L. Gore & Associates Polska Sp. z o. o.
ul. Mściców 4
P-02-796 Warszawa
Tel.: +48 22 645 15 37
Fax: +48 22 645 15 40
ipd-poland@wlgore.com

Scandinavia
W. L. Gore & Associates Scandinavia AB
Box 268
Visiting address: Neongatan 9
43123 Mölndal, Sweden
Tel.: +46 31 706 78 00
Fax: +46 31 86 42 26
ipd_scandinavia@wlgore.com

Singapore
W. L. Gore & Associates (Pacific) PTE, LTD.
150 Beach Road,
#17-08 Gateway West
Singapore 189720
Tel.: +65 6733 2882
Fax: +65 6836 8228
sealants_API@wlgore.com

South Africa
W. L. Gore & Associates (SA)(PTY) Ltd.
9 Kinross Street
Germiston South
South Africa
1401
sealants_EU@wlgore.com

Spain
W. L. Gore y Asociados, S.L.
Vallespir, 24, 2
Polígono Fontaneta
08970 Sant Joan Despí-Badalona
Tel.: +34 93 4 80 69 00
Fax: +34 93 3 73 78 50
ipdspain@wlgore.com

United Arab Emirates
W. L. Gore & Associates GmbH
Middle East - Abu Dhabi
P.O. Box 11 44 70
Sky Tower, Office 609
Al Reem Island
Abu Dhabi
Tel.: +971 2 508 9444
Fax: +971 2 508 9445
sealants_EU@wlgore.com

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