



TESNIT®

DONIFLEX®

GRAFILIT®

DONIFLON®

MICALIT®

DOOR HINGE CASE

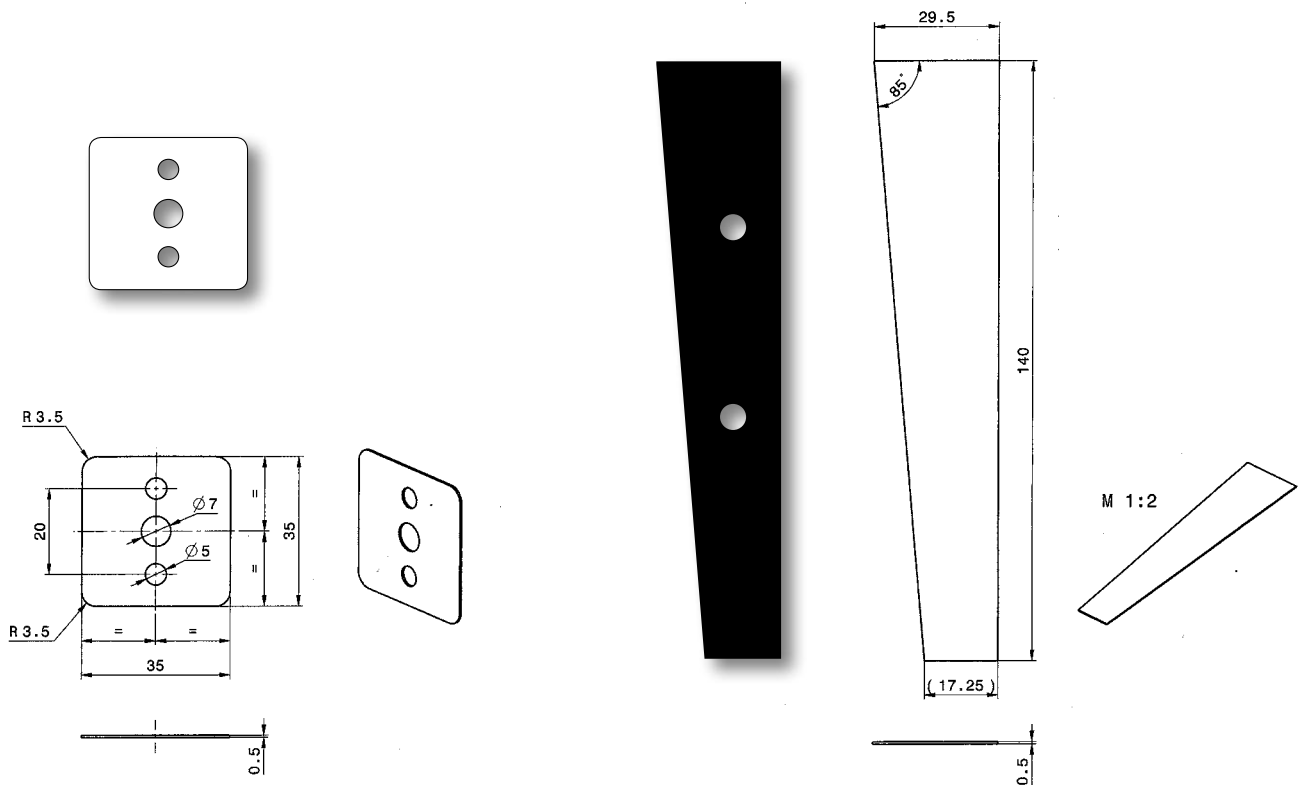
Problem description

- In sealing challenges when connecting fitting and glass doors we need to be careful to assure soft connection in order to protect and avoid damaging the connection. This has to be done without risking leaking connections.



Solution

- Our answer is to use a TESNIT product proving to supply a waterproof gasket.
- It is not enough just to have a top-quality door hinge or fitting. Especially heavy duty usage environment life calls for durability.
- Our recommendation is a TESNIT product composed of cellulose fibres, inorganic fillers and NBR binder. As such, it has very good mechanical and sealing properties.



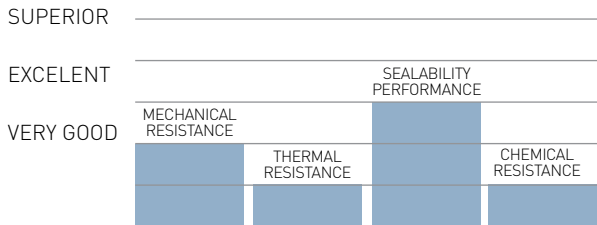
THE TESNIT PRODUCT PREVENTS DOOR HINGE SLIPPING AND ALSO PROTECTS GLASS AGAINST DAMAGE. IT ENABLES RELIABLE, LONG-LASTING USE OF ALL TYPES OF DOOR HINGES AND PATCH FITTINGS.

DONIT® | TESNIT® DOOR HINGE



TESNIT® is suitable for non-demanding applications in particular the water supply industry. As such, it has been designed with good mechanical and sealing properties.



PROPERTIES



APPROPRIATE INDUSTRIES & APPLICATIONS

-  GENERAL PURPOSE
-  WATER SUPPLY
-  SHIPBUILDING

Composition

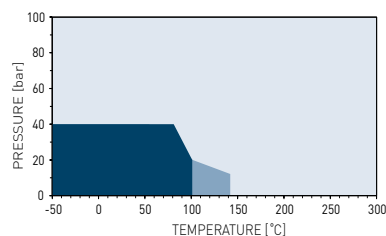
Cellulose fibres, inorganic fillers, NBR binder.
Optional steel wire mesh insert on request.

TECHNICAL DATA Typical values for a thickness of 2 mm

Density	DIN 28090-2	g/cm ³	1.8
Compressibility	ASTM F36J	%	9
Recovery	ASTM F36J	%	60
Tensile strength	ASTM F152	MPa	8
Stress resistance	DIN 52913		
16 h, 50 MPa, 175 °C		MPa	20
16 h, 50 MPa, 300 °C		MPa	/
Specific leak rate	DIN 3535-6	mg/(s·m)	0.04
Thickness increase	ASTM F146		
Oil IRM 903, 5 h, 150 °C		%	10
ASTM Fuel B, 5 h, 23 °C		%	10
Compression modulus	DIN 28090-2		
At room temperature: ϵ_{KSW}		%	/
At elevated temperature: $\epsilon_{WSW/200\text{ °C}}$		%	/
Percentage creep relaxation	DIN 28090-2		
At room temperature: ϵ_{KRW}		%	/
At elevated temperature: $\epsilon_{WRW/200\text{ °C}}$		%	/
Max. operating conditions			
Peak temperature		°C/°F	180/356
Continuous temperature		°C/°F	140/284
- with steam		°C/°F	120/248
Pressure		bar/psi	40/580

P-T DIAGRAM

EN 1514-1, Type IBC, PN 40, DIN 28091-2 / 3.8, 2.0 mm



- General suitability - Under common installation practices and chemical compatibility.
- Conditional suitability - Appropriate measures ensure maximum performance for joint design and gasket installation. Technical consultation is recommended.
- Limited suitability - Technical consultation is mandatory.

Slovenia**DONIT TESNIT, D.O.O.**

Cesta komandanta Staneta 38, 1215
Medvode, Slovenia
Phone: +386 (0)1 582 33 00
E-mail: info@donit.eu

China**SUZHOU DONIT SEALING MATERIALS**

Import and Export Co., Ltd.
No. 8 Suzhou Avenue West,
Bank of China Building, Room 1904,
SIP, 215021, P.R. China
Phone: +86 (0)512 659 535 29
E-mail: sales.suzhou@donit.eu

India**DONIT TESNIT INDIA**

C-406, Mantri Lavendula Mulshi
Road,
Bavdan Khurd, Pune - 411 021, India
Phone: +91 20 6520 7558
E-mail: sales.india@donit.eu

Middle East**DONIT TESNIT MIDDLE EAST**

SM - Office- F1- 216B Ajman Free
Zone Authority,
Ajman, United Arab Emirates
E-mail: sales.middleeast@donit.eu

North America**DONIT TESNIT NORTH AMERICA**

Donit Tesnit North America, LLC
1549 Stone Ridge Drive
Stone Mountain
Georgia 30083
E-mail: sales.northamerica@donit.eu

Latin America**DONIT TESNIT LATIN AMERICA**

E-mail: sales.latinamerica@donit.eu

Slovenia**DONIT TESNIT, D.O.O.**

Donit Industrial Sealing Solutions
Paradiž 4, 8210 Trebnje, Slovenia
Phone: +386 (0)8 205 50 44
E-mail: salesgaskets@donit.eu

Belgium**DISS-EUROPE BVBA**

Donit Industrial Sealing Solutions
Toekomstlaan 34,
2200 Herentals, Belgium
Phone: +32 (0)14 302 100
E-mail: sales@disseurope.be

