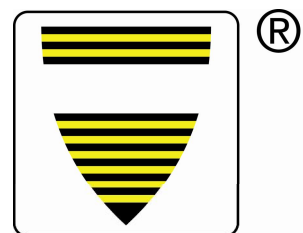


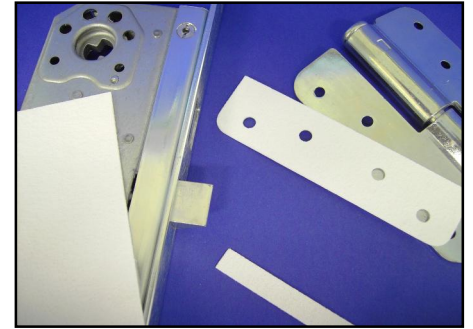
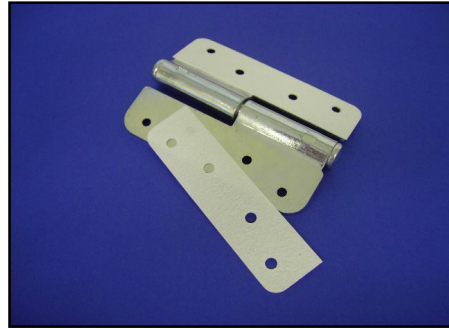
Product range Fire protection



■ BASF Group

© trademark of Dr. Wolman GmbH

Product	Interdens™ Type 5	Interdens™ Type 15
---------	----------------------	-----------------------



Properties

Chemical basis	Phosphate	Phosphate
Matrix	Thermoset, glass-fiber reinforced	Thermoset, glass-fiber reinforced
Consistency	Semi-rigid	Semi-rigid
Thickness	0.6 mm	1.0 mm
Color	White	White
Service conditions	For interior use	For interior use
Activation temperature	Approx. 150 °C (phase 1) Approx. 300 °C (phase 2)	Approx. 150 °C (phase 1) Approx. 300 °C (phase 2)
Intumescence factor (400 °C)	Up to 50	Up to 50
Expanding pressure (300 °C)	Pressureless	Pressureless

Dimensions (Standard)

Sheets/ Sheetings	L: 1000 mm W: 500 mm	L: 1000 mm W: 500 mm
Strips	–	L: 1000 mm W: 10 / 15 / 20 / 25 / 30 / 38 mm

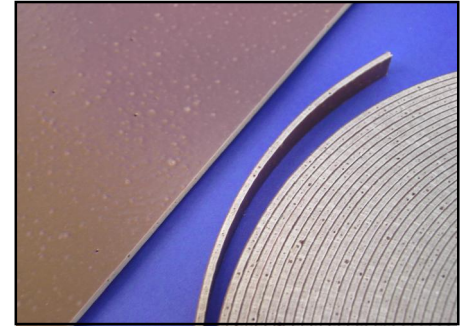
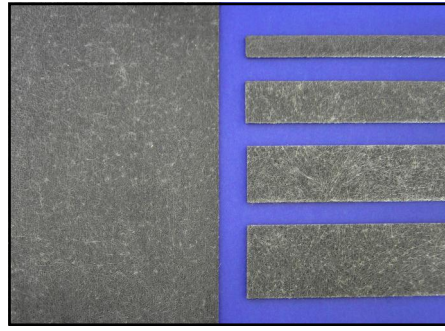
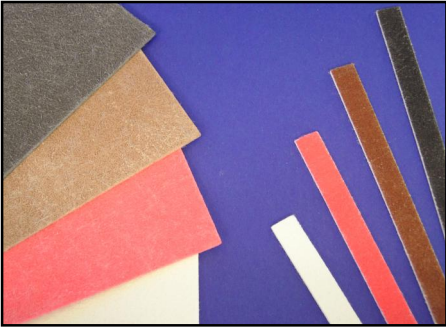
Application

Field of Application (preferred)	Hardware	Hardware
--	----------	----------

L = Length W = Width

Other sizes or self-adhesive applications are available by special order.
For more specific information please refer to the Technical Data sheets.

Interdens™ Type 36	Interdens™ Heatseal	Interdens™ F-M1
-----------------------	------------------------	--------------------



Phosphate	Graphite	Phosphate
Thermoset, glass-fiber reinforced	Thermoset, glass-fiber reinforced	Thermoplastic, glass-fiber reinforced
Semi-rigid	Semi-rigid	Flexible
2.0 mm	2.0 mm	2.0 mm
White, red, brown, black	Anthracite	Brown
For interior use	For interior use	For interior use
Approx. 150 °C (phase 1) Approx. 300 °C (phase 2)	Approx. 150 °C	Approx. 150 °C (phase 1) Approx. 300 °C (phase 2)
Up to 75	Up to 15	Up to 20
Pressureless	Up to 10 bar	Pressureless

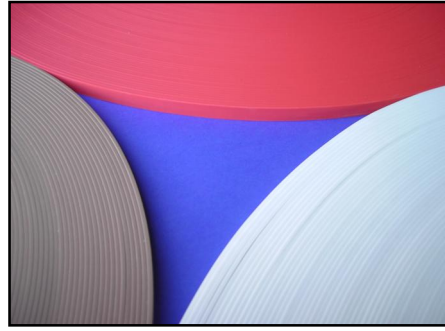
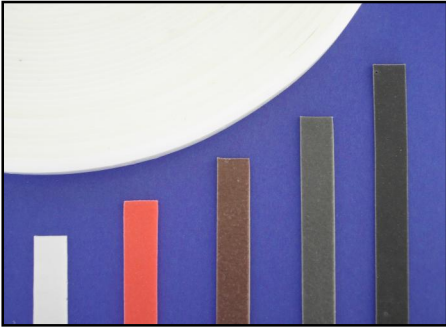
L: 1000 mm W: 500 mm	L: 1000 mm W: 500 mm	L: 20 m W: 500 mm
L: 1000 mm W: 10 / 15 / 20 / 25 / 30 / 35 / 40 mm	L: 1000 mm W: 10 / 15 / 20 / 25 / 30 mm	L: 20 m W: 10 / 15 / 20 / 25 / 30 mm

Glazing, Hardware, Perimeter	Perimeter	Glazing
------------------------------	-----------	---------

L = Length W = Width

Other sizes or self-adhesive applications are available by special order.
For more specific information please refer to the Technical Data sheets.

Interdens™ FD	Interdens™ F
------------------	-----------------



Phosphate	Phosphate
Thermoplastic	Thermoplastic
Flexible	Flexible
1.0 mm, 2.0 mm	2.0 mm
White, red, brown, grey, black *)	White, red, brown
For interior use	For interior use
Approx. 150 °C (phase 1) Approx. 300 °C (phase 2)	Approx. 150 °C (phase 1) Approx. 300 °C (phase 2)
Up to 25	Up to 20
Pressureless	Pressureless

L: 25 m W: 650 mm	–
L: 25 m W: 10 / 15 / 20 / 25 / 30 mm	L: 100 m W: 10 mm

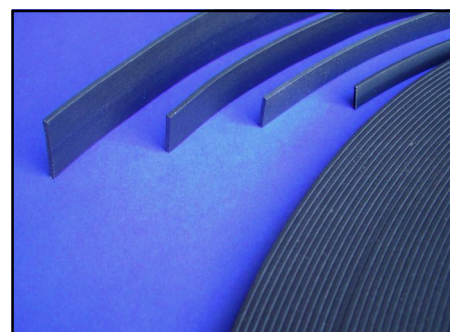
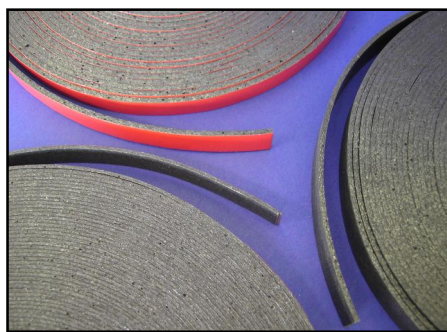
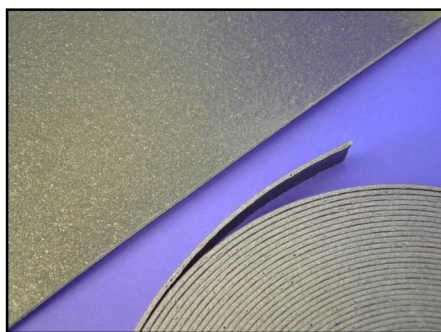
Glazing, Perimeter	Glazing, Perimeter
--------------------	--------------------

L = Length W = Width

*) Product can additionally be provided with a customer-specific factory-applied overlay. Other sizes or self-adhesive applications are available by special order. For more specific information please refer to the Technical Data sheets.

™ = trademark of **Dr. Wolman GmbH**

Exterdens™ F-M1	Exterdens™ FD	Exterdens™ F(B)
--------------------	------------------	--------------------



Graphite	Graphite	Graphite
Thermoplastic, glass-fiber reinforced	Thermoplastic	Thermoplastic
Flexible	Flexible	Flexible
2.0 mm	1.0 mm, 2.0 mm	2.0 mm
Anthracite	Anthracite *)	Anthracite
For interior and exterior use	For interior and exterior use	For interior and exterior use
Approx. 150 °C	Approx. 150 °C	Approx. 200 °C
Up to 15	Up to 20	Up to 25
Up to 10 bar	Up to 10 bar	Up to 10 bar

L: 20 m W: 500 mm	L: 25 m W: 650 mm	–
L: 20 m W: 10 / 15 / 20 / 25 / 30 mm	L: 25 m W: 10 / 12,7 / 15 / 19 / 20 / 25 / 30 mm	L: 100 m W: 10 / 16 / 20 / 30 mm

Perimeter	Perimeter	Perimeter
-----------	-----------	-----------

L = Length W = Width

*) Product can additionally be provided with a customer-specific factory-applied overlay.
Other sizes or self-adhesive applications are available by special order.
For more specific information please refer to the Technical Data sheets.



This brochure is an example of the great diversity of the preventive fire protection products of Dr. Wolman GmbH which are intended to improve the fire resistance of components such as fire doors. Our comprehensive choice of intumescent materials will provide you with the best solution for your specific need.

Our additional services:

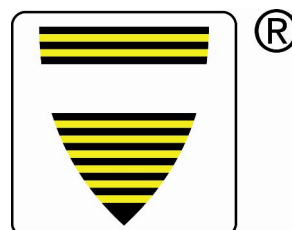
- Ø Consultation and advice on fire protection
- Ø Development of specific solutions taking into account your specific requirements
- Ø Assistance in the development of your fire protection components until they are ready for registration

For further information please contact:



NGFL Inc.
8 Tulip Drive
Huntington, NY 11743
Phone/Fax: (631) 424-0589
E-mail: info@positivepressure.com
Web: www.ngflinc.com

Important: While the information and data contained in this bulletin are presented in good faith and believed to be reliable, they do not constitute a part of our terms and conditions of sales unless specifically incorporated in our Order Acknowledgment. NOTHING HEREIN SHALL BE DEEMED TO CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, THAT SAID INFORMATION OR DATA ARE CORRECT OR THAT THE PRODUCTS DESCRIBED ARE MERCHANTABILITY OR FIT FOR A PARTICULAR PURPOSE, OR THAT SAID INFORMATION, DATA OR PRODUCTS CAN BE USED WITHOUT INFRINGING PATENTS OF THIRD PARTIES.



■ BASF Group

© trademark of **Dr. Wolman GmbH**

08_2009