

# PRODUCT CATALOGUE

**PROMA**  
Spółka z o.o.



**PROMGLASS®  
FIBREGLASS RESIN COMPOSITE**

**FIBRE CEMENT COATING**



# PROMA

Spółka z o.o.

*Proma Spółka z o.o. [Ltd.] with its registered seat in Zawadzkie was established in February 1995.*

*Currently, the core business of Proma is the production of composite coatings factory-applied on pipes. Our strategy is to satisfy our customers with the professional services provided by our qualified staff, use of non-standard solutions and quality of services offered. This is confirmed by Intertek certificates awarded to us. Continuous supervision and monitoring at each stage of the production are a guarantee of the highest quality of our products for our customers.*



## FIBREGLASS RESIN COMPOSITE

Fibreglass resin composites are used as a perfect protection for anti-corrosion insulations during directional drilling (HDD, Direct Pipe) as a part of pipeline laying process.

**Outer diameters: from 88.9 to 1,220 mm, pipe length from 6 to 16 m.**

Fabrication according to the National Technical Assessment or customer's specification. Pipelines are particularly exposed to mechanical damage which may occur during directional drilling, ramming or other trenchless methods used in projects executed in difficult site conditions where very high loads exerted on the pipeline by the soil are expected. Use PROMGLASS® composite to protect your anti-corrosion insulation.

### PROMGLASS® (Standard)

Factory-applied PROMGLASS® fibreglass resin composite is composed of bands of glass fibre of proper basis weight and width, soaked with resin with properly composed additives. The production process ensures high compactness of the coating and eliminates the risk of delamination or separation.

### PROMGLASS® Super-Bond

**PROMGLASS® Super Bond is a new and innovative solution in the European market.**

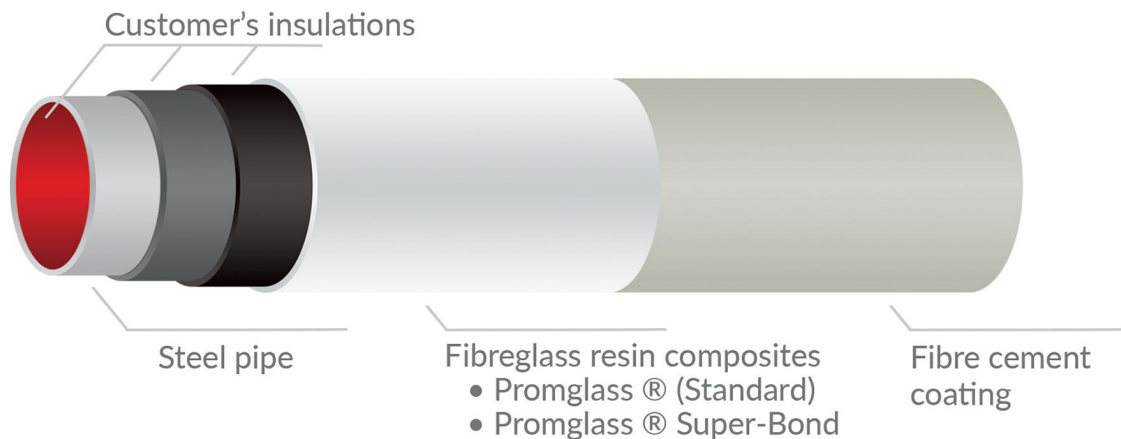
PROMGLASS® Super Bond offers innovative chemical bond to the anti-corrosion insulation surface to ensure good adhesion on every square centimetre. PROMGLASS® Super Bond has all the mechanical properties of standard composites with an extra shear strength of the value exceeding 100 N/cm<sup>2</sup> and chemical adhesion over the whole area of the insulation surface.

# PROMGLASS®





## PRODUCT SUPPLY OPTIONS



### ○ Strength tests of PROMGLASS® composite

Strength tests include: bend tests, tensile tests, compression tests, hardness tests and shearing tests. The measurements were carried out at the Silesian Science and Technology Centre of Aviation Industry Ltd., Material Research Laboratory.

### ○ Declared performance:

- Minimum thickness of the composite: 1 mm,
- Impact strength of the composite: more than 10 J/mm,
- Resistance to low temperature and mechanical impact: more than 5 J/mm,
- Resistance to denting: more than 0.05 mm,
- Tear resistance: more than 75 Mpa,
- Flexibility of the composite: min. 100 Mpa,
- Shore hardness "D": more than 65,
- Shear strength
  - PROMGLASS®: more than 50 N/cm<sup>2</sup>
  - PROMGLASS®Super-Bond: more than 100 N/cm<sup>2</sup> (for diameters of DN 300 and more)





# FIBRE CEMENT COATING

## CEMENT MORTAR PROTECTION (FZM)

### Fibre cement coating for mechanical protection of polyolefin-coated pipes

Outer fibre cement layer is intended to protect polyolefin coatings from damage when:

- laying pipes in stony ground,
- placing the pipe bedding material,
- backfilling the trench with stony or crushed-rock material with sharp edges.

Protecting the pipes with cement coating during a gas pipeline construction will fully eliminate the need to use sand bedding.

**Outer diameters: from 114.3 to 1,220 mm, pipe length: from 6 to 14 m.**

Fabrication acc. to DVGW GW 340 or customer's specification.

### ○ Cement mortarcoating provides:

- Mechanical protection of the anti-corrosion insulation
- Reduction of costs related to the use of sand bedding
- Reduction of costs related to environmental protection
- Streamlining the work in mountains or environmentally-protected areas.

### ○ Declared performance:

- Coat thickness: min. 7 mm,
- Compressive strength: min. 25 MPa,
- Bending strength: min. 2.5 MPa,
- Mortar shrinkage: max. 2 mm/m
- Impact strength: no cracks or spalls, impact energy 150 N,
- Surface quality: uniform, even coating, max. allowed deviation: 4mm

This coating helps to save project implementation time and significantly reduces any logistic costs. It will also considerably affect the environmental protection to eliminate the need of replacing the original soil with additional bedding. We hold the product certificate and the technical approval.







## OUR SUPPLIES

In the recent years PROMA SP z o.o. has supplied and still supplies pipes with fibreglass resin composite coating of the thickness of 5mm:

Const. of a high pressure gas pipeline DN1000 Czeszów – Wierzchowice	- 3,300 rm
Const. of a high pressure gas pipeline with DN1000 pipes Lwówek - Odolanów	- 806 rm
Const. of a high pressure gas pipeline with DN1000 pipes Czeszów - Kiełczów	- 2,277 rm
Const. of a high pressure gas pipeline with DN1000 pipes Lwówek - Krobia	- 3,327 rm
Const. of a high pressure gas pipeline with DN1000 pipes Zdziezowice - Brzeg	- 1,126 rm
Const. of a high pressure gas pipeline with DN1000 pipes Strachocina - Pogórska Wola	- 4,945 rm
Const. of a high pressure gas pipeline with DN1000 pipes Tworóg - Kędzierzyn	- 2,421 rm
Const. of a high pressure gas pipeline with DN1000 pipes Ziębice - Kiełczów	- 4,720 rm
Const. of a high pressure gas pipeline with DN1000 pipes Brzeg - Ziębice - Kiełczów	- 2,846 rm
Const. of a high pressure gas pipeline with DN1000 pipes Tworóg - Tworzeń	- 1,658 rm
Const. of a high pressure gas pipeline with DN1200 pipes Tworóg - Tworzeń	- 1,674 rm
Const. of a high pressure gas pipeline Czeszów - Wierzchowice DN700	- 1,525 rm
Const. of a high pressure gas pipeline Goleniów - Płoty DN700	- 1,741 rm
Const. of a high pressure gas pipeline Sandomierz – Jadachy DN450	- 650 rm
Const. of a high pressure gas pipeline at Grębocin DN250	- 663 rm
Const. of a high pressure gas pipeline with DN250 pipes Zdziezowice - Brzeg	- 585 rm
Const. of a high pressure gas pipeline at Szczawnica – Limanowa DN200	- 845 rm
Const. of an interconnecting gas pipeline Strachocina – Border of PL DN200	- 1,008 rm
Serbia - DN 1200	- 1,400 rm
Lithuania - DN 700 - LNG Klaipeda, Lithuania	- 3,600 rm



### **PROMA Sp. z o.o.**

ul. Lubliniecka 10, 47-120 Zawadzkie

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E-mail: [proma@proma.com.pl](mailto:proma@proma.com.pl)

[www.proma.com.pl](http://www.proma.com.pl)





# CERTIFICATES



We have a quality management system according to the requirements of **ISO 9001:2015**, Hygiene Certificate for compound coatings on pipes, National Technical Assessment and the licence to use the construction mark.

**TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.**  
Technical and Test Institute for Construction Prague, S.O.E.  
Anežská ulice 10, Praha 10, 100 00 Praha 10, Czech Republic  
Authorized Body 204  
Empowered by the Decision of the COSMT No. 5/2017 of 31/12/2017  
Branch Office 0600 – Brno

**PRODUCT CERTIFICATE**  
No. 204/C5/2019/060-049682

In compliance with the enactment of Article 5 of the Government Decree No. 163/2002 Coll., that lays down technical requirements for selected construction products, as amended by Government Decree No. 312/2005 Coll. and by Government Decree No. 215/2016 Coll., it is confirmed, that in case of the construction product

**Cement-fiber layer for the mechanical protection of steel pipes and fittings, insulated with PE/PP layer**

Manufacturer:  
**PROMA Sp. z o.o.**  
INr: 754 033 78 23  
Address: ul. Lubliniecka 10, 47-120 Zawadzkie  
Poland  
Plant:  
Address: ul. Lubliniecka 10, 47-120 Zawadzkie  
Poland  
Job No.: 2060190149

The Authorized Body has reviewed documents submitted by the manufacturer, performed the initial type-testing of the product sample, performed the initial inspection of manufacturing plant, assessed factory production control and has stated, that

- the product fulfils the requirements derived from related essential requirements given in the above mentioned Government Decree and detailed in the National Technical Approval;
- the factory production control complies with technical documentation and ensures that products put on the market meet the requirements laid down in the above mentioned National Technical Approval and comply with relevant technical documentation according to Article 4 Clause 3 of the above mentioned Government Decree.

The Product Certification Report No. 060-049682 of 12/12/2019, containing the conclusion of the factory assessment, test results and description of the product necessary for its identification, is to be considered as an integral part of this certificate.

This certificate was issued first on December 13, 2019, and remains valid as long as the requirements given in the national Technical Approval, referred to hereabove, or the manufacturing conditions in the factory or factory production control itself, are not modified significantly, unless suspended or withdrawn by the Authorized Body.

The Authorized Body performs at least once a 12 months the surveillance of proper function of the factory production control at the manufacturer, visits samples at the factory and performs an audit of samples to assess whether the characteristics of the product comply with the National Technical Approval according to Article 5, Clause 4, of the above mentioned Government Decree. The Authorized Body shall issue a report on the evaluation of surveillance and forward it to the manufacturer.

The person taking overall responsibility for the certificate:

Brno, December 11, 2019

Dpl. Ing. Miroslav Procházka  
Deputy Manager of the Authorized Body 204

**TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.**  
Technical and Test Institute for Construction Prague, S.O.E.  
Anežská ulice 10, Praha 10, 100 00 Praha 10, Czech Republic  
Authorized Body 204  
Empowered by the Decision of COSMT No. 5/2017 of 31/12/2017  
Branch Office 0600 – Brno

**TECHNICAL APPROVAL**  
No. 060-049680

In compliance with Act No. 231/1997 Coll. on Technical Requirements for Products and on Amendments to Some Acts, as amended, and Section 2 and 3 of Government Decree No. 163/2002 Coll., as amended by Government Decree No. 312/2005 Coll. and by the Government Decree No. 215/2016 Coll.

**Cement-fibre layer for the mechanical protection of steel pipes and fittings, insulated with PE/PP layer**

Product name:  
**Cement-fibre layer for the mechanical protection of steel pipes and fittings, insulated with PE/PP layer**

Manufacturer:  
**PROMA Sp. z o.o.**  
INr: 754 033 78 23  
Address: ul. Lubliniecka 10, 47-120 Zawadzkie  
Poland  
Job No.: 2060190149

The Authorized Body 204 confirms by this Technical Approval the technical characteristics of the product, their levels and procedures of determination in relation to the essential requirements specified in Annex No. 1 of the Government Decree No. 163/2002 Coll., as amended by the Government Decree No. 312/2005 Coll. and by the Government Decree No. 215/2016 Coll.

The Technical Approval is a technical specification intended for assessment of conformity of the mentioned product.

Number of pages of the Technical Approval, including the title page: 3

This Technical Approval is compiled by:

This Approval is valid until: December 31, 2022

Person responsible for correctness of this Approval:

Brno, December 11, 2019

Note: Without written consent of the Head Manager of the Authorized Body 204 this Technical Approval may be reproduced only as the copy.

**NARODOWY INSTYTUT ZDROWIA PUBLICZNEGO - Państwowy Zakład Higieny**  
NATIONAL INSTITUTE OF PUBLIC HEALTH - National Institute of Hygiene  
ZAKŁAD BEZPIECZEŃSTWA ŻYWIENIA I OŚRODKI  
DEPARTMENT OF ENVIRONMENTAL HEALTH AND SAFETY

**ATEST HIGIENICZNY** B-BK-40210-1066/19  
HYGIENIC CERTIFICATE

NATIONAL INSTITUTE OF PUBLIC HEALTH - NATIONAL INSTITUTE OF HYGIENE

Wyrób / product: **Zewnętrzna laminowana ocena rur stalowych**

Zawierający / containing: kompozyt poliestrowo-szkłany

Przeznaczony do / destined: stosowania jako zewnętrzna izolacja antykorozyjny rur stalowych do przesyłania wody, gazu na odcinkach rur stalowych zastawionych metodą przemieszczania / zastawionych metodą przemieszczania

Wymieniony wyrób produktu odpowiada wymaganiom higienicznym przy spełnieniu następujących warunków / the above-named product is acceptable according to hygienic criteria with the following conditions: Atest higieniczny nie dotyczy parametrów technicznych i właściwości użytkowych wyrobów / hygienic certificate does not apply to technical parameters and utility values

Wytwórca / producer: PROMA Sp. z o.o.  
ul. Lubliniecka 10, 47-120 Zawadzkie

Niniejszy dokument wydano na wniosek / this certificate issued for: PROMA Sp. z o.o.  
ul. Lubliniecka 10, 47-120 Zawadzkie

Atest może być anulowany lub unieważniony po przedstawieniu stosownych dowodów przez składającego wniosek. Niniejszy atest traci ważność po 2022.12.09 lub w przypadku zmian w recepturze albo w technologii wytwarzania wyrobu.

The certificate may be corrected or cancelled after appropriate motivation. The certificate loses its validity after 2022.12.09 or in the case of changes in composition or in technology of production.

Data wydania atestu higienicznego: 9 października 2019  
The date of issue of the certificate: 9th October 2019

Instytut w sprawie niniejszego atestu higienicznego / To certify regarding the hygienic certificate: Zakład Bezpieczeństwa Żywności NIZP-PZH / Department of Environmental Health and Safety NIPH-PZH  
00-731 Warszawa, ul. Ciwilińska 24 / 00-731 Warsaw, Ciwilińska 24, Poland  
e-mail: sek-czh@pzh.gov.pl, tel: +48 22 8421-2424, +48 22 8421-2449

**intertek**  
Total Quality Assured.

**CERTYFIKAT REJESTRACJI**

Zaświadczam, że System Zarządzania firmy:

**PROMA Spółka z o.o.**

Siedziba główna: ul. Lubliniecka 10  
Zawadzkie, Opolskie 47-120 Poland

został oceniony i zarejestrowany przez Intertek, jako spełniający wymagania:

**ISO 9001:2015**

Zakres systemu zarządzania

Nakładanie powłoki z laminatu szklano-żywicznego na rury stalowe metodą nawojową.

Nakładanie powłoki włókno-cementowej do mechanicznej ochrony rur stalowych z powłoką poliolefinową.

Numer Certyfikatu: 18110806001

Data Pierwotnej Certyfikacji: 06 Czerwiec 2005

Data decyzji o wydaniu certyfikatu: 08 Maj 2020

Data Wydania: 08 Maj 2020

Data Ważności: 26 Czerwiec 2023

**Intertek**

**UKAS**

**Intertek**

Calin Moldovan  
Prezes, Business Assurance

Intertek Certification Limited, 10A Victory Park, Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited akredytowana jednostka certyfikacyjna UKAS z akredytacją o nr. 034.

W związku z wystawieniem tego certyfikatu, Intertek nie ponosi żadnej odpowiedzialności względem jednostek naszego podmiotu, nie Klient, i tylko zgodnie z ustalonymi warunkami umowy certyfikacji. Ważność certyfikatu jest uzależniona od utrzymania systemu przez organizację zgodnie z wymaganiami Intertek w zakresie certyfikacji systemów. Ważność certyfikatu może być przedłużona lub anulowana e-mail: certificate.validation@intertek.com lub poprzez zażyczenie kody po przewidywanym czasie (zgodnie z umową). Certyfikat posiada numer certyfikatu, do którego dokumentacji należy zwrócić.

**TUV THÜRINGEN POLSKA**

**CERTIFICATE**

**CERTYFIKAT**

**TÜV Thüringen Polska Sp. z o.o.**

zaświadcza, że / confirms that:

**PROMA Sp. z o.o.**

**Ul. Lubliniecka 10, 47-120 Zawadzkie**

meets the quality requirements for the proper use of the laminate glass-resin PROMGLASS, as well as production requirements in accordance with the National Technical Assessment No. : INIG-PIB-KOT-2019/0008 edition 1 of February 2, 2019

spełnia wymagania jakościowe do właściwego stosowania laminatu szklano-żywicznego PROMGLASS, jak również wymagania dotyczące produkcji, zgodnie z Krajową Oceną Techniczną Nr.: INIG-PIB-KOT-2019/0008 wydanie 1 z dnia 2019-02-11

Testing basis: National Technical Assessment No. : INIG-PIB-KOT-2019/0008 edition 1 of February 2, 2019  
Podstawa badania : Krajowa Ocena Techniczna Nr.: INIG-PIB-KOT-2019/0008 wydanie 1 z dnia 2019-02-11

Scopy: PROMGLASS glass-resin laminate made using the winding method in constant factory conditions on steel line pipes with anti-corrosion insulation  
Zakres obowiązywania : Laminat szklano-żywiczny PROMGLASS, wykonywany metodą nawojową w stałych warunkach fabrycznych, na rurach przewodowych stalowych z izolacją antykorozyjną

Testing report No.: Report No. 2/2020  
Nr. raportu z badań : Raport nr. 2/2020

Manufacturing plant: PROMA Sp. z o.o., ul. Lubliniecka 10, 47-120 Zawadzkie, Poland  
Zakład produkcyjny :

Certificate No.: PL04/G/0002/20  
Certyfikat Nr. :

Valid until: 2024-02-10  
Ważny do :

Katowice, 2020-05-12

**TUV THÜRINGEN POLSKA**

(K. Dubas)  
TUV Thüringen Polska Sp. z o.o.  
Dyrektor Regionu Południowego / Director of the South Region

TUV Thüringen Polska Sp. z o.o., ul. Żelazna 38\* 40-399 Katowice, Poland  
+48 724 900 841\* biuro@tuv-thuringen.pl