



COMPANY

NOVAGLASS® is a company in the forefront of the production of waterproofing membranes in bitumen/polymer, which started its activity in 1983. Thanks to many years of experience both in the waterproofing products sector and in the petrochemical sector, NOVAGLASS® evidenced a continuous trend of growth, reaching, in the domestic and international scenarios, a leader position in the waterproofing industry.





The production facilities occupy a covered area of 11,000 sqm, inside a green park of 100,000 sqm. Highly qualified personnel operate two manufacturing lines of advanced design and a laboratory equipped with technologically sophisticated instrumentation. The high level of workmanship and the flexibility of the operational organization make NOVAGLASS® a company where reliability and dynamicity are the highest qualities.

A policy of continuous investment in the upgrading of the equipment, in the research and development of new products and in the improvement of the existing ones, the inclination for the improvement of the various functions, from the scheduling of the controls on the raw materials and on the production, the R&D activity, the designing, the total technical assistance, made easier the achievement in 1996 of the certification of the quality system of the company, according to the UNI-EN ISO 9001 Norm, updated in 2008 to UNI-EN ISO 9001:2008. In June 2010 Novaglass attained the ISO 14001 Certification, synonymous of continuous commitment in sustainable development, minimizing the environmental impact resulting from manufacturing process. Reaching this target, the whole range of NOVAGLASS® waterproofing products is able to meet any requirement from the various application sectors.





PROFILE



The distribution of the products in the domestic market is made through own warehouses and retailers located in all the Country. A number of qualified agents follow the customers together with NOVAGLASS® technical department, able to supply the best assistance and the most appropriate answers to design, technical and applicative problems.

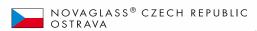




The export, which represents 40% of the total turn over, reaches technologically advanced Countries both in Europe and in the rest of the World. The distribution of the products is channelled through subsidiary companies and exclusive distributors.

The most qualified national and international laboratories and institutes inspected and are still checking with full satisfaction the quality of NOVAGLASS® products, with the release of more than 200 certificates.

The constant training of all the staff operating inside the company is carried out through periodical course of "informative and formative" type, in agreement with what foreseen by UNI-EN ISO 9001:2008 Norm. Similar courses are foreseen as well for the people in charge of the commercial network, with the target to upgrade the level of knowledge and professionalism, essential elements to satisfy customer's requirements.







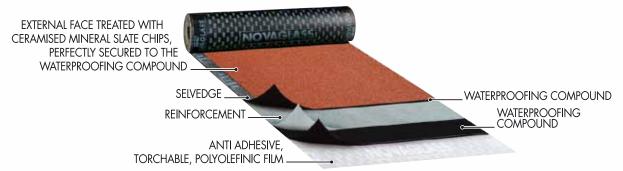




BITUMEN-POLYMER MEMBRANES







RAL SLATES COLOURS



SPECIAL CHARACTERISTICS OF THE ELASTOMERIC WATERPROOFING COMPOUND

- elongation at break >1500%
- excellent heat stability100% elastic return after 100% deformation
- absolute water tightness
- cold flexibility (down to -35 °C according to UEAtc Norms).
- high values of adhesion of membrane on membrane and of membrane on clean and dry substrates

SPECIAL CHARACTERISTICS OF THE PLASTOMERIC WATERPROOFING COMPOUND

- resistance to U.V. Rays
- resistance to acids and inorganic
- resistance to low temperatures (down to -30 °C according to UEAtc Norms)
- resistance to O₃
- absolute water tightness
- resistance to industrial atmosphere, thanks to the high chemical inertia
- resistance to heat sliding
- high values of adhesion of membrane on membrane and of membrane on clean and dry substrates

Ras Allianz, primary company in the insurance sector, on the basis of an agreement stipulated with NOVAGLASS®, guarantees, for a period of 10 years: the compensation for material and direct damages suffered by third parties and resulting from a failure, caused by manufacturing defects of the waterproofing membranes, up to the amount of €1,500,000.00. This guarantee is valid worldwide and covers the whole range of products.





MEMBRANES FOR

Same				ELASTOMERIC (SBS)									
TYPE OF				PLAIN S	URFACE				SURFACE				
P R O D		NOVAGUM-P	FLEXGUM-P	ISOGUM-P	ISOROOF-SBS	FLEXGUM-V	ISOGUW-V	NOVAGUM-P MINERAL	FLEXGUM-P MINERAL	ISOGUM-P MINERAL	ISOROOF-SBS MINERAL		
REINFORCEMENT				HIGH DIMENSIONAL STABILITY SPUNBONDED NON WOVEN POLYESTER	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	REINFORCED FIBERGLASS		HIGH DIMENSIONAL STABILITY SPUNBONDED NON WOVEN POLYESTER	STABILITY NON	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER
TYPE OF TEST	STANDARD	UNITS	TOL.	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
THICKNESS	EN 1849-1:1999	mm	±0,2mm	3-4-5	3-4-5	3-4-5	3-4-5	-	2-3-4-5	4 (on overlap)	5,2	-	-
mass for unit area	EN 1849-1:1999	Kg/sqm	±10%	-	3-4-5	3-4-5	3-4	3-4	2-3-4-5	3,5-4 4,5-5-5,5	3,5-4 4,5-5-5,5	3,5-4 4,5-5-5,5	4-4,5
roll lenght	EN 1848-1:1999	m	-1%	7,5-10	7,5-10	7,5-10	7,5-10	7,5-10	7,5-10-15	7,5-10	7,5-10	7,5-10	7,5-10
ROLL WIDTH	EN 1848-1:1999	m	-1%	1	1	1	1	1	1	1	1	1	1
FLEXIBILITY AT LOW TEMPERATURE (PLIABILITY)	EN 1109:1999	°C	<	-25	-20	-15	-15	-20	-15	-25	-20	-15	-15
flow resistance at elevated temperature	EN 1110:1999	°C	<u> </u>	100	90	90	90	90	90	100	90	90	90
OVERALL	UPPERSIDE			sand	sand	sand	sand	sand	sand	coloured slate chippings	coloured slate chippings	coloured slate chippings	coloured slate chippings
APPEARANCE	UND	ERSIDE		meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film
APPLICATION						, industrial metal ection of the expo commended.		All type of c Protection of the is always red	exposed surface		ced concrete roof g structures. Prote is always ree	ection of the expo	

GENERAL USES

	PLASTOMERIC (APP)											
					in surf <i>a</i>	<u> </u>	•					
FLEXGUM-V MINERAL	ISOGUM-V MINERAL	EUROPOL	NOVATOP	NOABOND	NOVATER	ISOPOL	POLIBIT H/T	POLIBIT	NOVAPOL			
REINFORCED FIBERGLASS	REINFORCED FIBERGLASS	HIGH DIMENSIONAL STABILITY SPUNBONDED POLYESTER	HIGH DIMENSIONAL STABILITY SPUNBONDED POLYESTER	HIGH DIMENSIONAL STABILITY SPUNBONDED POLYESTER	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	STABILITY NON	STABILITY NON	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER			
VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE			
4	1	4-5	3-4-5	3-4-5	3-4-5	3-4-5	3-4-5	3-4-5	3-4-5			
4-4,5	3,5-4 4,5-5	•			-	-	3-4-5	3-4-5	3-4-5			
7,5-10	7,5-10	<i>7</i> ,5-10	7,5-10	7,5-10	7,5-10	7,5-10	7,5-10	7,5-10	7,5-10			
1	1	1	1	1	1	1	1	1	1			
-20	-15	-25	-20	-15	-10	-10	-8	-5	-5			
90	90	130	130	130	120	120	120	120	120			
coloured slate chippings	coloured slate chippings	sand	sand	sand	sand	sand	sand	sand	sand			
meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film			
A II	1				I			1				

All type of applications.

Protection of the exposed surface is always recommended.

Sectors where maximum reliabilty is required, foundations, tunnels, waste dumps, etc.

MEMBRANES FOR

PLASTOMERIC (APP) PLAIN SURFACE **EUROSTAR** EUROPOL **POLIBIT S** NOVAFLEX **ISOROOF EDILBIT P VELOBIT S-P VELOBIT** NOVABIT **EDILBIT V EUROSTAR** HIGH DIMENSIONAL HIGH DIMENSIONAL HIGH DIMENSIONAL HIGH DIMENSIONAL HIGH DIMENSIONAL HIGH DIMENSIONAL STABILITY SPUNBONDED STABILITY SPUNBONDED NON WOVEN REINFORCED REINFORCED REINFORCED REINFORCED NON WOVEN NON WOVEN STABILITY SPUNBONDED STABILITY NON STABILITY NON STABILITY NON **POLYESTER FIBERGLASS FIBERGLASS FIBERGLASS FIBERGLASS** POLYESTER REINFORCED POLYESTER REINFORCED WOVEN POLYESTER POLYESTER WOVEN POLYESTER WOVEN POLYESTER WITH GLASS FLEECE WITH GLASS FLEECE **VALUE VALUE VALUE** VALUE **VALUE VALUE VALUE VALUE VALUE VALUE VALUE** 4 3-4-5 2-3-4 2-3-4 2-3-4 2-3-4 4-5 3-4-5 3-4-5 3-4-5 4 (on overlap) 2-2,5-3 3,5-4-5 2-2,5-3 3,5-4-5 4-4,5-5 2-2,5-3-4 2-2,5-3-4 3-4-5 3-4-5 3-4-5 3-4-5 5,5 7,5-10-15 7,5-10-15 7,5-10-15 7,5-10-15 7,5-10 7,5-10 7,5-10 7,5-10 7,5-10 7,5 7,5 1 1 1 1 1 1 1 1 1 1,1 1,1 -5 -5 -25 0 0 0 -10 0 0 -30 -30 120 110 110 110 110 110 100 100 140 140 130 high reflective fine slate granules coloured slate sand sand sand sand sand sand sand sand white slate "Black Diamond" chippings chippings meltable meltable

General use, in all cases where a water barrier is required.

plastic film

plastic film

plastic film

plastic film

plastic film

plastic film

Sectors where

maximum reliabilty

is required.

plastic film

plastic film

plastic film

Absolutely reliable exposed cap sheet problems of appears

plastic film

plastic film

GENERAL USES

PLASTOMERIC (APP)

MINERAL SURFACE

NOVATOP MINERAL	NOVABOND MINERAL	NOVATER MINERAL	NOVAMINERAL	ISOPOL MINERAL	NOVATECNO S-P MINERAL	POLIBIT H/T MINERAL	POLIBIT MINERAL	NOVATECNO EC	NOVAPOL MINERAL	POLIBIT S MINERAL
HIGH DIMENSIONAL STABILITY SPUNBONDED POLYESTER	HIGH DIMENSIONAL STABILITY SPUNBONDED POLYESTER	STABILITY NON	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	STABILITY NON	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	STABILITY NON				
VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE
4 (on overlap)	4 (on overlap)	-	-	-	-	3-4-5	-	-	-	-
4-4,5-5 5,5	4-4,5-5 5,5	4-4,5-5 5,5	4-4,5-5 5,5	4-4,5-5 5,5	3,5-4 4,5-5	3-4-5	3,5-4 4,5-5	3,5-4 4,5-5	3,5-4 4,5-5	3,5-4 4,5-5
7,5-10	7,5-10	7,5-10	7,5-10	7,5-10	7,5-10	7,5-10	7,5-10	7,5-10	<i>7</i> ,5-10	<i>7,5</i> -10
1	1	1	1	1	1	1	1	1	1	1
-20	-15	-10	-10	-10	-10	-8	-5	-5	-5	-5
130	130	130	120	120	120	120	120	120	120	120
coloured slate chippings	coloured slate chippings	coloured slate chippings	coloured slate chippings	coloured slate chippings	coloured slate chippings	coloured slate chippings	coloured slate chippings	coloured slate chippings	coloured slate chippings	coloured slate chippings
meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film

et. Offer a solution to ince.

 $All\ kinds\ of\ roofing,\ re-roofing,\ tile\ underlyments.\ Satisfies\ particular\ requirement\ where\ appearance\ is\ concerned.$

S P E C I A L U S E S

SPECIAL USES											
PLAIN S	URFACE	MINERAL SURFACE	PLAIN S	URFACE	MINERAL SURFACE	PLA	ain surface				
NOVA-SK	NOVA-SK V	NOVA SK MINERAL	NOVAR-CH	NOVAR-CH SBS	NOVAR-WS	NOVATER S-A	NOVALL-I A ANTIRADON	NOVAIL-1			
HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	HEAVY DUTY REINFORCED FIBERGLASS	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	COMPOSITE STRUCTURE	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	ALLUMINIUM FOIL + FIBERGLASS	ALLUMINIUM FOIL + FIBERGLASS			
VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE			
1,5-2-3	1,5-1,8-2-3	-	3-4-5	3-4-5	4	3-4-5	3	2-3-4			
-	-	3	-	-	-	-	-	-			
10-15	10-15	10	<i>7</i> ,5-10	<i>7,5</i> -10	7,5	7,5-10	<i>7,5</i> -10	7,5-10-15			
1	1	1	1	1	1	1	1	1			
-25	-25	-25	-10	-15	-15	-10	-10	-5			
90	90	90	120	120	130	120	120	120			
TNT polipropilene	TNT polipropilene	coloured slate chippings	sand	sand	fine slate granules "Black Diamond"	sand	sand	sand			
release film	release film	release film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film			
	Adhesive membrar All cases where ame is not allowed		A	nti-Root Membranes	;	Anti-Radon	Membranes	Water Vapour Barrier			

GLASS.COM

MEMBRANES FOR

DI	ASTOME	DIC (AD	D \	SPECIAL USES						
PL	ASTOME		P)		DLAINI					
	MINERAL	SURFACE		PLAIN S	URFACE	SURFACE	MINERAL	SURFACE		
MINERALFLEX	ISOROOF	EDILBIT P	MINERALBIT	NOVABOND	NOVAPONTI	NOVATER SP	NOVATER SP	FLEXGUM-P		
TYTH YERV TEI EEX	MINERAL	MINERAL	WIII VEIO VEDIT	PONTI	1107/1101111	FR	MINERAL FR	FR MINERAL		
HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	NON WOVEN POLYESTER	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER	REINFORCED FIBERGLASS	HIGH DIMENSIONAL STABILITY SPUNBONDED POLYESTER	HIGH DIMENSIONAL STABILITY SPUNBONDED POLYESTER	HIGH DIMENSIONAL STABILITY SPUNBONDED POLYESTER	HIGH DIMENSIONAL STABILITY SPUNBONDED POLYESTER	HIGH DIMENSIONAL STABILITY NON WOVEN POLYESTER		
VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE	VALUE		
-	-	-	-	4-4,5-5	4-4,5-5	4	-	-		
3,5-4 4,5-5	3,5-4 4,5-5	3,5-4 4,5-5	3,5-4 4,5-5	-	-	-	4,5	4,5		
7,5-10	7,5-10	7,5-10	<i>7</i> ,5-10	7,5-10	<i>7,5</i> -10	<i>7</i> ,5-10	7,5-10	7,5-10		
1	1	1	1	1	1	1	1	1		
0	0	0	0	-15	-10	-20	-20	-20		
110	110	110	110	130	130	130	130	90		
coloured slate chippings	coloured slate chippings	coloured slate chippings	coloured slate chippings	sand	sand	sand	coloured slate chippings	coloured slate chippings		
meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film	meltable plastic film		
All ki	inds of roofing, re-ro Satisfies particular appearance	requirement where		Where the product is required to withstand heavy loads. To be used also to waterproof bridge decks and viaducts (No Norm EN14695).						

APPLICATIONS









CERTIFYING INSTITUTES



From the very beginning, NOVAGLASS® pursued the objective to guarantee the quality of the products in order to fulfil the applicative requirements. The commitment in the research was considerably hard and involved as well significant investments to adequate and to optimise all the operational structure of the company. The result was the achievement of the domestic and foreign markets as a leading company, with special reference to the European ones, well known for their requisites in terms of quality. Further to the certification of the quality system according to the UNI-EN ISO 9001:2008 Norm intended as an acknowledgment of the consistency of the policies of the company, NOVAGLASS® attained the ISO 14001 Certification, synonymous of continuous commitment in sustainable development, minimizing the environmental impact resulting from manufacturing process. Furthermore, the most qualified national and international technical institutes and laboratories issued more than 200 certificates.











UNIVERSITE DE LIEGE - INSTITUT DU GENIE CIVIL GOLDEGE G.C. LIEGE





















































































As occurred already for other building materials starting from 1st September 2006 the CE Mark became compulsory for polymer modified bitumen waterproofing membranes. All manufacturers delivering waterproofing membranes to Countries within the European Union have to mark their products as required by Directive 89/106/EEC. CE Mark has been conceived to safeguard the end users. Producers have to guarantee therefore that their waterproofing sheets are studied, developed and manufactured in compliance with the basic requirements of the Directive as well as the Product Technical Standards, which set the technical features to match along with the tests and controls to fulfil. As regards waterproofing membranes the standards

- EN 13707: membranes to waterproof continuous structures, valid from 1st September 2006 (the standard refers to membranes designed for application as exposed top, intermediate and under layers in multi-layer-systems, single layers, green roofs, reversed roofing with ballast).
- EN 13969: membranes to stop moisture from the ground, valid from 1st September 2006.
- EN 13970: bitumen sheets for vapour control (damp barriers and shields), valid from 1st September 2006.
- EN 13859-1: membranes to waterproof discontinuous structures (roof tile underlays), valid from 1st January 2007.

Assessed by the Accredited Body SGS to meet the terms of the Norms NOVAGLASS® attained the Certificate No. CE GB06/69407 for its products. Since September 2006 NOVAGLASS® membranes are marked with the symbol



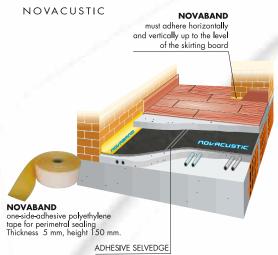
printed on every Control Ticket stuck on every roll. CE certified products are delivered along with technical data sheet including product features, fields of application and method of installation.

D

NOVACUSTIC

is the 2-ply sound proofing underlayment made by the coupling of physically reticulated polyethylene, having closed cells, with SBS modified bitumen membrane. It is equipped with adhesive selvedge.



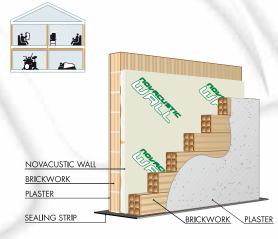




NOVACUSTIC WALL

Is the self-standing acoustic and thermal insulating panel by NOVAGLASS®. Made by lamination of plastomeric mass between two layers of sound proofing elastic materials having different density. Sealed inside PET envelope, NOVACUSTIC WALL is ready and easy to apply.

NOVACUSTIC WALL



U D R D 0

Edilchimica srl, a subsidiary manufacturing unit located in Milan, produces complementary materials for waterproofing systems, such as:

- PRIMERS
- PLASTIC CEMENTS
- PROTECTIVE PAINTS
- COLD ASPHALTS
- MOULD RELEASING AGENTS
- LIQUID ELASTOMERIC WATERPROOFING PRODUCTS



RESTORING AND MAINTENANCE OF WATERPROOFING SYSTEMS



WATERPROOF SEALING OF PARTICULARS



WATERPROOFING LARGE SURFACES



PROTECTIVE AND **AESTHETIC PAINTING**



O D U C T S

ROOFING SHINGLES



The roofing shingles manufactured by IKO, leader company in the sector, have been marketed in Italy for a long time by NOVAGLASS® and represent a particular system for the covering of pitched and ventilated roofs.

The availability of a wide range of colours and design allows their use in different building typologies.

NOVACHEM





NOVACHEM is a trade name and an activity which belongs to the industrial activity of NOVAGLASS®, for the production of special materials for the building industry, such as: structural mortars, de-humidifying plasters osmotic cements, anti corrosion systems, chemical additives, waterstops, sealants. With the range of NOVACHEM products, problems related to the presence of water in the buildings are solved: roofs, facades, foundations, internal and external areas. NOVACHEM is involved in the waterproofing, sealing, restoration, repair and protection sectors, with high technology systems and experience, giving durability guarantee.

PROTECTION

Invisible waterproofing of balconies; consolidation, refurbishment and protection of plastered, exposed and concrete facades; detergent and protective materials for cleaning of monuments and building surfaces.

WATERPROOFING

Waterproofing of roofs and balconies; waterproofing and sealing of underground structures; elastic waterproofing of tanks, pools, culverts; containment of and protection from aggressive liquids in depuration plants and sewage; drains, sealing, below grade waterproofing; sealing, waterproofing and containment of water in canals and aqueducts.

REFURBISHMENT

Cleaning, refurbishment, consolidation and protection of plastered, exposed and concrete facades; consolidation, restructuring and restoration of ancient buildings.

RESTORATION

Cortical reparations, sealing, injections and anti carbonation protection of degraded concrete; structural reparation and reinforcement, anti corrosion protection of reinforced concrete; anchoring, bonding, fast fixing; protective finishing of industrial walls; refurbishment, cleaning and protection of plastered, exposed and concrete facades.





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