

GENERAL[®]
MEMBRANE

THE INVISIBLE NECESSITY



PRODUCTS & WATERPROOFING SYSTEMS - COMPANY PROFILE

**L'INVISIBLE
INDISPENSABILE**







Mission of General Membrane SpA

General Membrane SpA operates in the sector of waterproofing material for the construction industry. The Company choose **Quality** and **Flexibility** as its key success factors from the beginning, making ongoing investments in its Human Resources, Organisation and New Technologies, both in terms of Manufacturing and Research and Development.

Today the **gradual and unceasing growth** of the production quantity, sales revenue, penetration of the Italian market and our Customer loyalty strategy confirm this was a valid strategic decision. These success factors have allowed us to face even foreign markets with the degree of professionalism required. The distribution of **General Membrane Products across more than 60 countries** over all Continents accounts for 40% of the overall production output, which confirms that the market identifies General Membrane as a Quality Company.



The Kyoto agreement established that at least 20% of this energy must be generated by renewable sources by 2020. **General Membrane SpA's photovoltaic waterproof systems** will help achieve this ambitious environmental goal, allowing the use of spaces – roofs – unused until now, to **produce clean electricity** in a simple and safe way.

STOPPING THE WATER is the main mission that has always distinguished General Membrane, which today has added that of **CATCHING THE SUN**.



History - Our Path

1993 **GENERAL MEMBRANE SpA** was founded. At the end of the year GENERAL MEMBRANE SpA started to produce bitumen waterproofing membranes in its headquarters in Ceggia, near Venice.

1996 The second production line was installed.

Corporate Goal: **improve the Quality of processes and products made.**

1997 General Membrane SpA received the **ISO 9001 certification of the Quality Management System** for the design and production of bitumen waterproofing membranes. This Certification also applies to the marketing of complementary products.



2003 The "Progettocontemporaneo" project was created with the dual objective of promoting the works of young emerging Italian and Foreign Architects in Europe.

PROGETTOCONTEMPORANEO
galleria di architettura

2005 General Membrane SpA received the **ISO 14001 Certification of the Environmental Management System** for its office in Ceggia, this result was also obtained thanks to considerable Environmental investments.



2006 The third production line to expand the range was activated, Progettocontemporaneo became the exclusive venue for "Triennale Off" in the Veneto and Friuli Venezia Giulia regions. **General Membrane Srl** was established in Buzau (Romania) with a bitumen membrane production line.



2007 **CUT FIRE®** is the new waterproofing membrane System used to protect buildings with Class E certification against external fire.

GENERAL SOLAR PV® was created, **General Membrane SpA's** new integrated photovoltaic waterproof system for **generating clean electricity** (with thin-film triple-junction amorphous silicon solar cells) and **at the same time waterproofing** both new and existing roofs.



2011 Full renovation of the first production line of bitumen waterproofing membranes. New product: **General Fix®**, an innovative fastening system for photovoltaic technologies on roofs created in partnership with **Velcro Italia S.r.l.**



2012 General Membrane SpA receives the **OHSAS 18001 certification of Occupational Health and Safety Management System**. General Membrane becomes USGBC's member.





The Production

General Membrane SpA designs Waterproofing Systems for the construction industry and produces Waterproofing Membranes with distilled bitumen modified with polymers.

The range of waterproofing materials is extremely diverse in order to meet any kind of need identified by the person designing the project. We offer both traditional membranes (elastoplastomeric-APP, elastomeric-SBS) and membranes with latest-generation polyalphaolefin-APAO polymers. They are all supplied in versions with different weight, thickness, length, surface finish and reinforcement (staple polyester, continuous wire, glass stabilisers, glass fibre and glass cloth, aluminium laminate, etc). We have a particularly wide range of colours for our products with mineral self-protective surface finish to allow the designer to place the work in a manner that is coherent with the outdoor environment.

For special applications we have developed fire-resistant products, products for waterproofing roof gardens, bridges and viaducts, tunnels, water basins, channels, foundations, car parks, landfills.

There are also other special products available: coupled systems, geotextiles, thermal insulators, primers, bitumen emulsions, protective paints and any other accessory needed to create the various Waterproofing Systems.



The Certification

Choosing General Membrane products means trusting a Company that operates in full compliance with Law related to the Environment and Safety at the Workplace and that has made an official commitment both towards its own employees and outside the company (local community, the environment in general) to pursue an Environmental Policy by means of clear improvement programs for improving its environmental performance. General Membrane supplies Quality Products by carefully managing its energy and water resources, using non-harmful raw materials, by disposing of waste correctly and minimising waste production by promoting re-use as much as possible, by choosing systems and machinery with the Safety of operators and the Environment in mind, by reducing emissions into the atmosphere to a minimum and not generating acoustic pollution.



Research & Development

General Membrane SpA constantly invests considerable resources even in the Scientific Research and Development of new waterproofing materials and solutions.

The development of New Products have been certified as part of the ISO 9001 Quality Management System. Sophisticated equipment allows conducting in-depth analysis on bitumen, polymers and on the behaviour of the various bitumen plastic materials. The information deriving from the identification of the materials, from knowing their composition, their chemical and physical properties and their thermal behaviour are a fundamental support for the Company to create new products and manufacturing processes and monitor existing ones.



The Quality of the Products is obtained through planned and monitored production processes conducted by expert personnel in an adequate and healthy working environment. However, sampling programmes and the analyses of raw materials, semi-processed and finished products, testing methods and the equipment used are equally important, as are the Laboratories where these tests are conducted. In brief: it is important that Quality Control is conducted in accordance with the highest of standards. General Membrane has always invested considerable resources in Quality Control and Research and Development.





Products for the Waterproofing



WATERPROOFING MEMBRANES

Bitumen waterproofing membranes modified with high quality polymers APP - APAO - SBS.
TOP CLASS
APP - Phoenix Star DVT 0005
APAO - Phoenix Super DVT 0004



FOR SPECIAL USES

Vapour barriers, antiroots, barriers to radon, vertical walls, with double reinforcement, photovoltaic system.

TOP CLASS
Gemini Strips
General Garden FLL



ADHESIVE MEMBRANES

Self-Adhesive and Thermo-Adhesive membranes for heat sensitive and easy flammable surface.

TOP CLASS
Halley ST
Termostar



METAL COATED MEMBRANES

Copper and Aluminium finishing for roofs with high solar reflectance and aesthetic added value.

TOP CLASS
General Rame
General Alu



SEPARATION LAYER

Functional layers for the application of bituminous waterproofing systems.

TOP CLASS
Pegasus B



UNDERLAYMENTS

Breathable waterproofing membranes for discontinuous roofs like under tiles, under shingle, metal slats

TOP CLASS
Aquarius Plus
Aquarius Super



SYNTHETIC MEMBRANES

Synthetic waterproofing membranes in PVC and TPO

TOP CLASS
Genesy PVC VV FELT
Genesy ECO TPO - VV FELT



THERMAL INSULATING

Thermal insulating boards for roofs

TOP CLASS
General Termodoga PIR
General Termo Greca
General ISOPUR VB



DREINANTS & GEOTEXTILES

Functional layers for protection and separation of waterproofing systems.

TOP CLASS
General Protection Maxi Stud
General Web
General Feltro



LIQUIDS

Liquid waterproofing, primer, glue, protective and reflective paints to complete the waterproofing systems.

TOP CLASS
General Ecoliquida
General Glue HV
General Special Primer
General Vernice ALU



MECHANICAL FIXING

Complete range of mechanical fixing for waterproofing membranes and thermal insulations for all different types of surface.

TOP CLASS
SPIKE® Twister
TPR rivetto a fiore



ACCESSORIES FOR THE WATERPROOFING

Accessories and tools for the correct application of waterproofing membranes

TOP CLASS
Bocchettone General Star - EPDM
Bruciatore professionale
Cordella Metrica 60

PRODUCTS & WATERPROOFING SYSTEMS - COMPANY PROFILE

General Membrane SpA Systems



CUT FIRE® SYSTEM

Waterproofing membranes for external fire protection

TOP CLASS

Phoenix Super CUT FIRE®
Phoenix Star CUT FIRE®



LIGHT SYSTEM

Low weight waterproofing membranes, less propane gas and less efforts.

TOP CLASS

Gemini Light
Orion Light



REFLECT SYSTEM

High emissivity highly reflective paints and mineral finishes to mitigate the phenomenon of "Urban Heat Island"

TOP CLASS

General Reflect Paint PLUS
Phoenix Solar REFLECT PROTECTION

GENERAL SOLAR PV®

INTEGRATED ROOFING SYSTEM FOR WATERPROOF AND ENERGY PRODUCTION
STOPPING THE WATER. CATCHING THE SUN.



www.generalsolarpv.com

INTEGRATED ROOFING SYSTEM

General Fix®

GENERAL
MEMBRANE



VELCRO®

ANCHORAGE DEVICE ON BITUMEN AND SYNTHETIC ROOFS FOR PHOTOVOLTAIC MODULES,
TECHNOLOGICAL SYSTEMS AND TECHNICAL VOLUMES.
STOPPING THE WATER. HOOKING THE SUN.



New Tecnology

NO THROUGH HOLES! NO BALLAST!



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