



# FLAT AND SHAPED ROOFS



Waterproofing solutions  
for all surfaces

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[mpmsrl.com](http://mpmsrl.com)



# STARFLEX waterproofing systems

Excellence in special waterproofing for industrial and civil construction.

With seventy years of experience, MPM is able to offer certified systems with high-level and long-lasting performances.



# MPM Systems for flat and shaped roofs

MPM, with the **STARFLEX** line, has set a new standard in special solutions for industrial and civil waterproofing, providing the perfect balance between innovation, resistance and durability.

**STARFLEX** was designed with the aim of exceeding expectations in every application context, guaranteeing maximum protection against the weather and ensuring durability.

MPM systems effectively solve sealing and rainwater infiltration issues through continuous waterproof coatings capable of adapting to any given design.

## Fields of use

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ROOFS  
AND ROOFING  
SYSTEMS



TERRACES  
AND BALCONIES



PARKING  
SPACES



VERTICAL  
GARDENS



FOUNDATIONS  
AND SQUARES



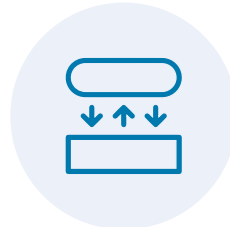
HYDRAULIC  
SYSTEMS

# Properties and characteristics of **STARFLEX** system

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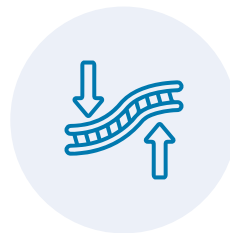
## **ADHESION**

to any type of support:  
bituminous membrane, PVC,  
metal sheet, fibre cement,  
concrete



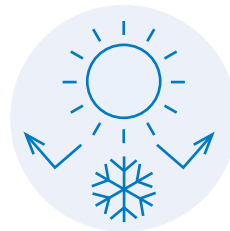
## **ELASTICITY**

up to 600% with crack  
bridging capabilities.



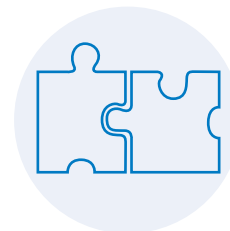
## **RESISTANCE**

to weather: sun, rain, hail  
and UV rays



## **CONTINUITY**

with no joints, even  
on complex geometries



## **REFLECTION**

of sunlight for  
better internal comfort



## **FAST**

application and drying in all  
conditions





# Certifications

The MPM research and development division works daily to implement the wide range of solutions, exploiting the latest technologies within the chemical field, in order to comply with the widest range of certifications.

MPM systems achieve the desired results in waterproofing for protection against various weather conditions and stresses, whether mechanical, thermal or chemical, and thus offer durability and quality to buildings.

Within the field of waterproofing coverings, **STARFLEX** membranes hold the necessary certifications in compliance with current European regulations, and are able to satisfy multiple protection requirements.

**STARFLEX** is one of the most certified waterproofing lines in the world.



**RESPECT**  
for minimum  
environmental criteria



**30-YEAR**  
**CERTIFICATION**



**FIRE CERTIFICATION**  
Broof



**25-YEAR**  
**CERTIFICATION**



**RESISTANCE**  
to hail impact



**SUITABLE**  
for drinking water  
containment



# Industrial Coverings

The main problem of industrial coverings, whether they are in bituminous membranes, PVC, TPO, metal, fiber cement, is the lack of sealing due to the presence of several discontinuity points that do not allow continuous and effective protection from water and weather.

For the restoration and protection of industrial coverings, MPM has developed the special **STARFLEX** liquid membranes which, once applied, form a continuous horizontal and vertical waterproofing layer without joints or discontinuities, without the need for demolition and rebuilding, and which can adapt to different geometries and materials.

**STARFLEX** line is synonymous with excellence for resistance and durability, and its high elasticity allows it to bridge any cracks in the laying surface (crack bridging capabilities). For these reasons, MPM systems are the perfect choice for waterproofing roofs and roofing systems.





# Photovoltaic

Photovoltaic installations on roofs are becoming more common all over the world and have led to an increased focus on the performances of waterproofing systems.

MPM has developed **STARFLEX FR**, a line of liquid membranes that are fire certified according to European Broof standards. Their light colouring enables the roof covering to reflect part of the sun's radiation so as to keep interiors cooler during the summer and improve climate comfort, as well as improving the performance of any photovoltaic systems.

These membranes not only function as stand-alone waterproofing systems, but are also ideal substrates for a wide range of photovoltaic applications.





# Civil Coverings

In civil buildings such as schools, shopping centres, hospitals and residential buildings, waterproofing systems must adapt to different uses: roofs and terraces, pedestrian areas and vertical gardens.

To meet these needs, MPM has developed the **STARFLEX** waterproofing line, designed to adhere to the most complex geometries, offering greater resistance and durability than traditional materials.

The use of these systems makes it possible to obtain waterproofing that is not affected by volume loss, a common problem with classic prefabricated coverings. Instead, it is able to preserve its elasticity and tenacity, guaranteeing increased durability.

Besides being effective against infiltrations, MPM systems have a low environmental impact compared to other solutions, aligning with modern requirements for eco-friendly construction.





# Outdoor parking spaces

Roofs used for parking are subject to both weathering and high levels of wheel and pedestrian traffic.

MPM has designed the high-resistance waterproofing systems **STARFLEX** specifically for areas subject to high levels of traffic.

These systems offer excellent abrasion and impact resistance along with remarkable elasticity. Their durability is guaranteed by exceptional mechanical and wear resistance.

**STARFLEX** systems have a non-slip finish and allow fast application even on strongly damp and counterthrusting surfaces.



# Products



## Bicomponent hot systems

**STARFLEX HR** is the family of hot, bicomponent polyurethane waterproofing systems.

Its main characteristics: high elasticity, rapid hardening and the possibility of application on new or existing surfaces, make the system ideal for waterproofing and protecting roofs, car parks and other types of infrastructure.

**STARFLEX HR** brings together a complete range of polyurea-based systems to meet the most stringent technical specifications for waterproofing.



### **STARFLEX HR:**

Pure polyurea-based membrane, specific for driveways or continuous immersion systems



### **STARFLEX HR-E:**

Hybrid polyurea-based membrane, designed specifically for application to old surfaces



### **STARFLEX HR-S:**

Pure polyurea-based membrane, designed specifically for application to old surfaces



### **STARFLEX HR-FR:**

Pure polyurea-based membrane, specific for fire-certified waterproofing

## Cold-applied single-component systems

Starflex Ultra is a family of special single-component liquid membranes for waterproofing.

Ultra's advanced technology ensures quick and easy application, has excellent resistance and elasticity properties, and guarantees a final result that lasts up to 30 years.

The MPM research and development department has designed this solution as a response to the industry's main challenges, and has also developed a Broof fire-certified version.



### **STARFLEX MONO:**

Polyurethane-based membrane, designed specifically for application to old surfaces



### **STARFLEX ULTRA FR:**

Polyurea - polyurethane based membrane, for fire-certified waterproofing



### **STARFLEX ULTRA:**

Polyurea - polyurethane based membrane, designed specifically for application to old surfaces



# Global support

# The ideal partner for your work

For 70 years MPM has been working alongside companies, designers to offer certified and durable solutions.

The central technical office and the capillary network of professionals are able to offer assistance and support in any situation.





**Materiali Protettivi Milano**  
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