



FIRE SAFETY AND WATERPROOFING



BROOF - certified solutions

mpmsrl.com



STARFLEX: the BROOF-Certified Solution for Roofs and Roofing

The rapid evolution of industrial and civil roofs has transformed roofs into real technological hubs, characterized by the widespread adoption of photovoltaic systems. This transition highlights the importance of the fire behaviour of waterproofing systems (caused by electrical failures, wind or embers). In these scenarios, the roof covering's ability to resist flame spread flames is decisive for preserving the building and protecting people.

The abbreviation **BROOF** identifies the highest class of European performance for roofs exposed to external fire according to the UNI EN 13501-5 standard.

A **BROOF**-certified system guarantees that the roof covering limits the propagation of fire on the surface and prevents penetration of flames in the layers below.



The European Regulations: Test Methods T1 to T4

The regulation provides for four test methods (from T1 to T4), which simulate different fire scenarios by combining flames, radiation and wind:

Method 1 (T1) – Fire Only (Without Wind): It evaluates the action of a localized thermal load (e.g. embers), verifying that the fire does not perforate the system.

Method 2 (T2) – Fire in the Presence of Wind: More severe scenario (typical of ventilated photovoltaic systems) in which the system must self-extinguish despite the air flow.

Method 3 (T3) – Fire, Wind and Radiation: A high-performance standard, in high demand on the international market for high-profile commercial and industrial projects.

Method 4 (T4) – Fire, Wind and Radiation (Two Stages): The most complex and rigorous test, widely required in Northern European markets and in the most demanding specifications.

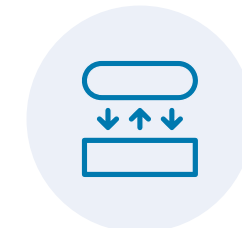
The MPM System Approach

BROOF certification always applies to the roof covering system as a whole (support, primer and membrane). To meet these challenges, MPM's R&D department has developed the **STARFLEX FR (Fire Retardant)** line: continuous liquid membranes that combine long-lasting waterproofing and excellent passive fire protection.

Properties and characteristics of the systems **STARFLEX BROOF**

ADHESION

to any type of substrate:
bituminous sheath, PVC,
sheet metal, fibre cement,
concrete



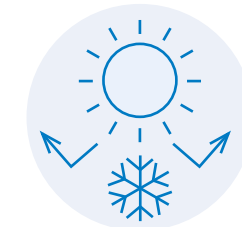
ELASTICITY

up to 600% with crack
bridging capacity



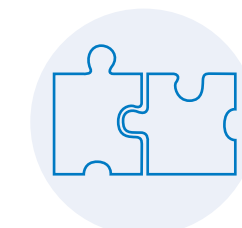
RESISTANCE

to weather conditions:
sun, rain, hail and UV rays



CONTINUITY

joint-free applications, even
on complex geometries



REFLECTIVITY

reflects solar radiation for
improved indoor comfort



RAPIDITY

fast application and curing
in all conditions







BROOF RANGE



STARFLEX MONO 100	STARFLEX ULTRA FR	STARFLEX HYBRID	STARFLEX H ZERO FR	STARFLEX ONE	STARFLEX HR-FR
----------------------	----------------------	--------------------	-----------------------	-----------------	-------------------

CONCRETE	X	X		X		X
BITUMINOUS SHEATH		X	X		X	X
PVC			X			
METAL						X



STARFLEX

Conquer the market!

PARTNERSHIP



WATERPROOFING
SPECIALISTS

ARENA



TRAINING
AND SUPPORT

HI-TECH RANGE



SOLUTIONS FOR
EVERY CONDITION





09_2026



Materiali Protettivi Milano
The ideal partner for your work.

MIXER S.R.L.
MPM Division

HQ: Via E. De Amicis 53 20123 Milano (MI)
OPS: Via Adda 15 20073 Opera (MI)
T: +39 02 576 09116

WEB: www.mpmsrl.com
SOCIALS: @mpm_srl
E-MAIL: info@mpmsrl.com