



STARFLEX

Polyurea



Hot applied systems

mpmsrl.com



STARFLEX

Conquer the market!

PARTNERSHIP



WATERPROOFING
SPECIALISTS

ARENA



TRAINING
AND SUPPORT

HI-TECH RANGE



SOLUTIONS FOR
EVERY CONDITION



STARFLEX

The HI-TECH POLYUREA for every condition

With the STARFLEX range, MPM has set a new standard in special solutions for industrial and civil waterproofing, representing the perfect balance between innovation, strength and durability.

STARFLEX was designed with the aim of exceeding expectations in every application context, ensuring maximum protection against weather conditions and long-term performance.

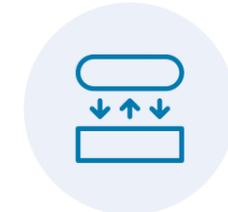
MPM systems effectively solve issues related to rainwater infiltration through continuous waterproof coatings, capable of adapting to any geometry.



Properties and characteristics of **STARFLEX** systems

ADHESION

to all types of substrates:
bituminous membranes,
PVC, metal sheets, fibre
cement, concrete



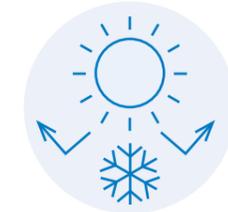
ELASTICITY

and exceptional
crackbridging capabilities.



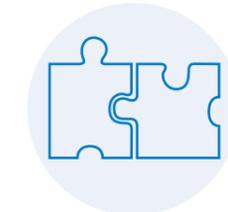
RESISTANCE

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



SEAMLESS

joint-free applications,
even on complex geometries



REFLECTION

of solar rays for better
internal comfort



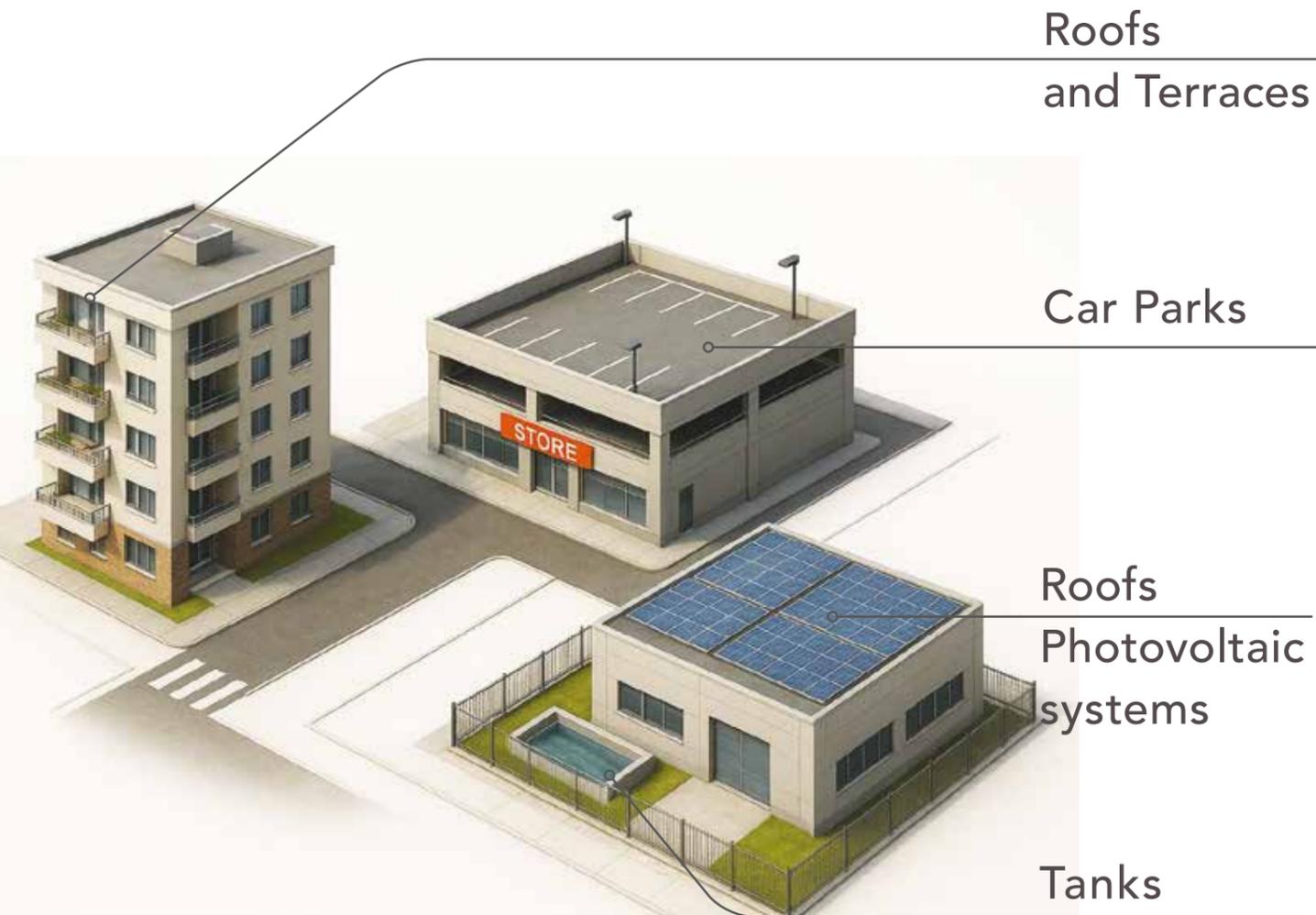
RAPIDITY

fast application and curing
in all conditions



STARFLEX polyurea

The complete range for every situation



 STARFLEX HR Pure polyurea	 STARFLEX HR-S Pure Soft polyurea	 STARFLEX HR-FR Pure B_Roof polyurea	 STARFLEX HR-E Hybrid polyurea
x	x		x
x			
		x	
x			

STARFLEX polyurea

Roofs and membrane-covered flat roofs



P Layer for membrane

1 Specific primer

2 **STARFLEX**

3 Aliphatic UV-resistant top coat

1 PRIMER	SINGLE-COMPONENT	PRIMER 0130 R	PRIMER 0230
		Polyurethane Fast Universal Solvent-free	Polyurethane Fast Solvent based
	TWO-COMPONENT	STARCEMENT 5/A	DUROGLASS FF4416
		Epoxy Water-based	Epoxy Solvent-based Universal

2 POLYUREA	STARFLEX HR-S	STARFLEX HR-FR	STARFLEX HR-E
	Pure Polyurea Elongation >600% High Elasticity	Pure Polyurea Elongation >450% B-roof T ₂ and T ₄	Hybrid Polyurea Elongation >600% High Elasticity

3 TOP COAT	SINGLE-COMPONENT	STARFLEX MONO TOP W	STARFLEX MONO TOP S
		Water-based Aliphatic	Solvent-based Aliphatic
	TWO-COMPONENT	POLISTAR E/P	
		Solvent-based Aliphatic	

STARFLEX polyurea

Roofs



P Concrete application layer

1 Specific primer

2 **STARFLEX** polyurea

3 Aliphatic UV-resistant top-coat

1 PRIMER	SINGLE-COMPONENT	PRIMER 0130 R	PRIMER 0230	
		Polyurethane Fast Universal Solvent-free	Polyurethane Fast Solvent-based	
	TWO-COMPONENT	STARCEMENT 5/A	DUROGLASS FF4416	DUROGLASS P2 PRIMER
		Epoxy Water-based	Solvent-based Epoxy Universal	Epoxy Fast Filled

2 POLYUREA	STARFLEX HR	STARFLEX HR-FR
	Pure Polyurea Elongation >400% High Hardness	Pure Polyurea Elongation >450% B-roof T ₂ and T ₄

3 TOP COAT	SINGLE-COMPONENT	STARFLEX MONO TOP W	STARFLEX MONO TOP S
		Water-based Aliphatic	Solvent-based Aliphatic
	TWO-COMPONENT	POLISTAR E/P	
		Solvent-based Aliphatic	

STARFLEX polyurea

Metal sheet and sandwich panel roofs



- P Metal substrate
- 1 Specific primer
- 2 STARFLEX polyurea
- 3 Alifatic UV-resistant top coat

1 PRIMER	SINGLE-COMPONENT	PRIMER 0130 R
		Polyurethane Fast Universal Solvent-free
	TWO-COMPONENT	DUROGLASS FF4416
		Epoxy Solvent-based Universal

2 POLYUREA		STARFLEX HR-S	STARFLEX HR-FR	STARFLEX HR-E
		Pure Polyurea Elongation >600% High Elasticity	Pure Polyurea Elongation >450% B-roof T ₂ e T ₄	Hybrid Polyurea Elongation >600% High Elasticity

3 TOP COAT	SINGLE-COMPONENT	STARFLEX MONO TOP W	STARFLEX MONO TOP S
		Water-based Aliphatic	Solvent-based Aliphatic
	TWO-COMPONENT	POLISTAR E/P	
		Solvent-based Aliphatic	

Polyurea STARFLEX

Pvc roofs



- P PVC substrate
- 1 Specific primer
- 2 STARFLEX
- 3 Aliphatic UV-resistant top coat

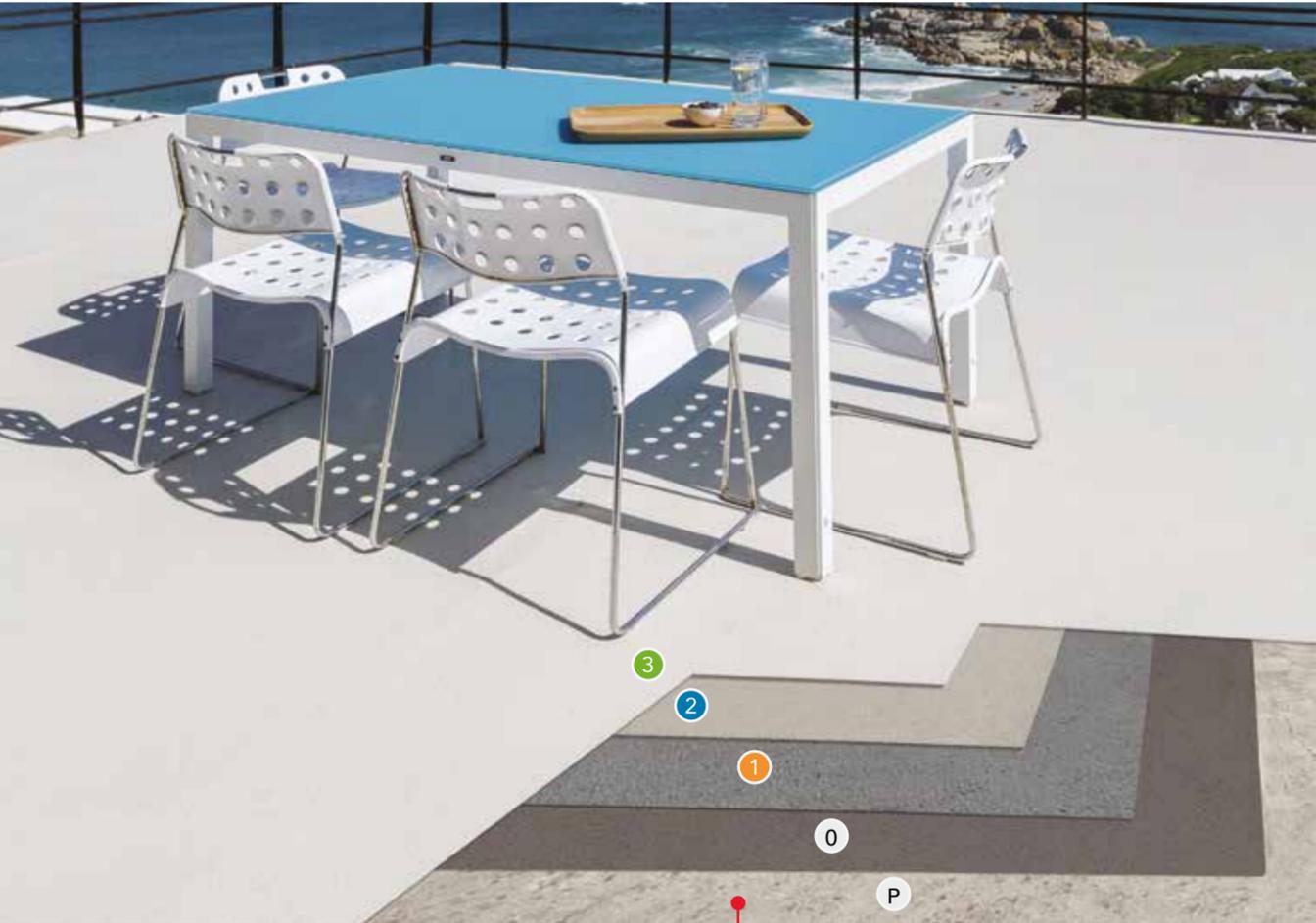
1 PRIMER	SINGLE-COMPONENT	PRIMER 0130 R
		Polyurethane Fast Universal Solvent-free
	TWO-COMPONENT	DUROGLASS FF4416
		Epoxy Solvent-based Universal

2 POLYUREA		STARFLEX HR-S	STARFLEX HR-FR	STARFLEX HR-E
		Pure Polyurea Elongation >600% High Elasticity	Pure Polyurea Elongation >450% B-roof T ₂ and T ₄	Hybrid Polyurea Elongation >600% High Elasticity

3 TOP COAT	SINGLE-COMPONENT	STARFLEX MONO TOP W	STARFLEX MONO TOP S
		Water-based Aliphatic	Solvent-based Aliphatic
	TWO-COMPONENT	POLISTAR E/P	
		Aliphatic Solvent Based	

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Terraces



- P Concrete substrate
- 0 Damp Substrate
- 1 Specific primer
- 2 STARFLEX polyurea
- 3 Aliphatic UV-resistant top coat

DAMP SUBSTRATE	TWO-COMPONENT	DUROGLASS FU	
		Epoxy-Cement Moisture-resistant	

1 PRIMER	TWO-COMPONENT	DUROGLASS FF4416	DUROGLASS P2 PRIMER
		Epoxy Solvent-based Universal	Epoxy Fast Filled

2 POLYUREA		STARFLEX HR	
		Pure Polyurea Elongation >400% High Hardness	

3 TOP COAT	TWO-COMPONENT	POLISTAR E/P	
		Aliphatic Solvent Based	

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Roof-top car parks



- P Substrate
- 0 Damp Substrate
- 1 Specific primer
- 2 STARFLEX polyurea
- 3 Trafficable aliphatic top coat

DAMP SUBSTRATE	TWO-COMPONENT	DUROGLASS FU
		Epoxy-Cement Moisture-resistant
1 PRIMER	TWO-COMPONENT	DUROGLASS P2 PRIMER
		Epoxy Fast Filled
2 POLYUREA	TWO-COMPONENT	STARFLEX HR
		Pure Polyurea Elongation >400% High Hardness
3 TOP COAT	TWO-COMPONENT	POLISTAR E/P
		Solvent-based Aliphatic Trafficable

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Tanks



- P Substrate
- 0 Damp Substrate
- 1 Specific primer
- 2 STARFLEX Polyurea
- 3 Top coat

DAMP SUBSTRATE	TWO-COMPONENT	DUROGLASS FU	
		Epoxy-Cement Moisture-resistant	

1 PRIMER	TWO-COMPONENT	DUROGLASS FF4416	DUROGLASS P2 PRIMER
		Epoxy Solvent-based Universal	Epoxy Fast Filled

2 POLYUREA		STARFLEX HR	
		Pure Polyurea Elongation >400% High Hardness	

3 TOP COAT	TWO-COMPONENT	POLISTAR E	
		Aliphatic Solvent-based Immersion-resistant	

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Roads (sub-base)



- P Substrate
- 1 Specific primer
- 2 STARFLEX polyurea
- 3 Bonding
- V Road surface

1 PRIMER	TWO-COMPONENT	DUROGLASS P2 PRIMER	
		Epoxy Fast Filled	

2 POLYUREA		STARFLEX HR	STARFLEX HR-E
		Pure Polyurea Elongation >400% High Hardness	Pure Polyurea Elongation >600% High Elasticity

3 TOP COAT	TWO-COMPONENT	PRIMER 0130R	
		High Adhesion Fast Curing	

STARFLEX HR

PURE POLYUREA WITH HIGH STRENGTH

BENEFITS

- ✓ **Trafficable and walkable**
- ✓ **High mechanical strength**
- ✓ **High Crack Bridging capacity**
- ✓ **Suitable for permanent contact** with water, including drinking water
- ✓ **High chemical resistance performance**
- ✓ **Applicable on rigid substrates** such as concrete, tiles, exposed aggregate surfaces

APPLIED WITH

Bi mixer pump with in-line heaters



PACKAGING

435 kg



Refer to the technical data sheet



STARFLEX HR-FR

PURE POLYUREA WITH HIGH ELASTICITY – FIRE CERTIFIED B₂ ROOF

BENEFITS

- ✓ **Elastic and flexible** for roofing applications
- ✓ **Resistant** to flame contact
- ✓ **High Crack Bridging capacity**
- ✓ **Applicable** on old bituminous membranes and slate coatings, concrete, metal, synthetic coverings
- ✓ **Suitable for use** with photovoltaic systems

APPLIED WITH

Bi mixer pump with in-line heaters

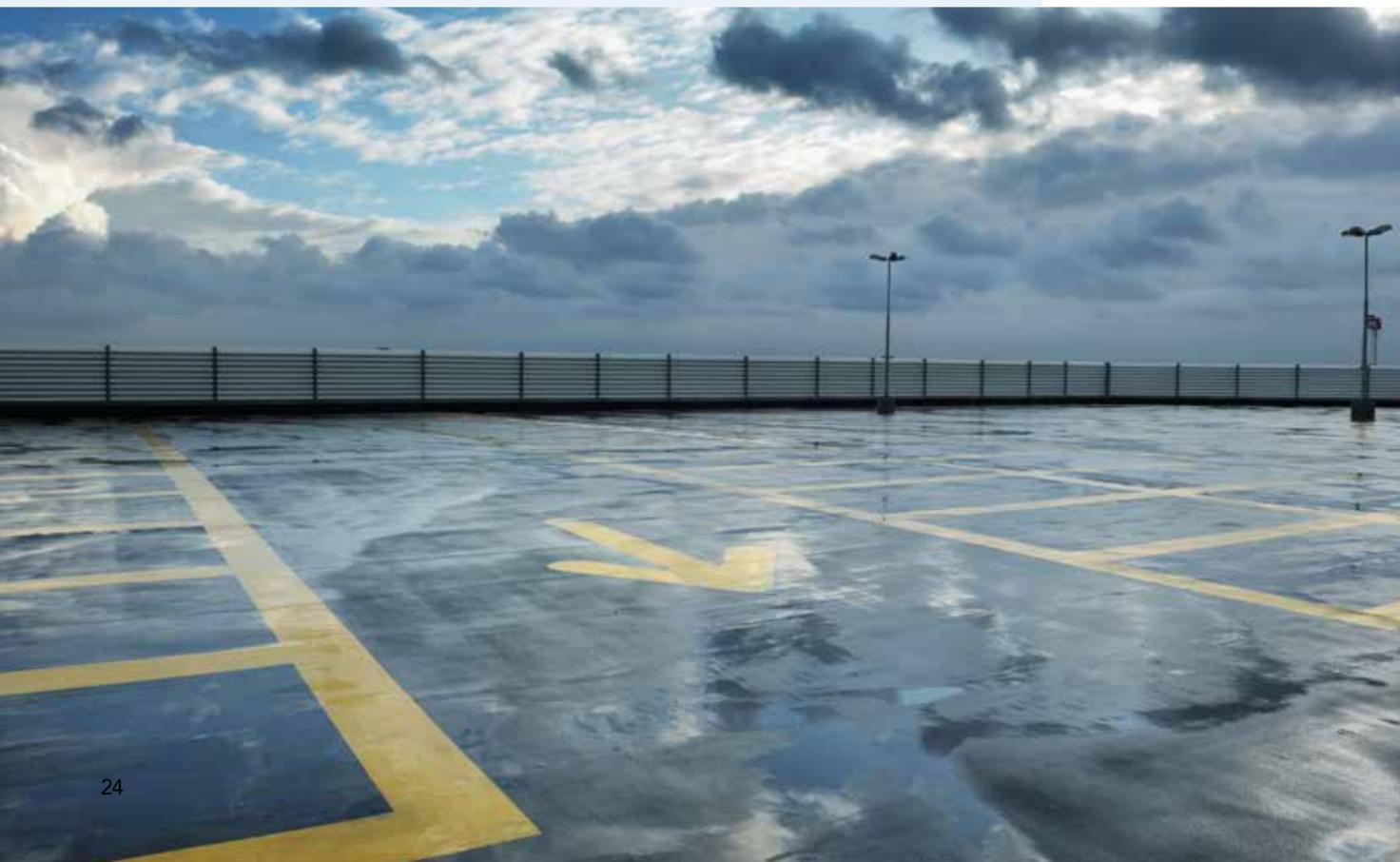


PACKAGING

435 kg



Refer to the technical data sheet



STARFLEX HR-S

PURE POLYUREA WITH HIGH ELASTICITY

BENEFITS

- ✓ **Elastic and flexible** for roofing applications
- ✓ **High** Crack Bridging capacity
- ✓ **Applicable** on old bituminous and slate membranes, concrete, metal, synthetic coverings.

APPLIED WITH

Bi mixer pump with in-line heaters



PACKAGING

435 kg

Refer to the technical data sheet



STARFLEX HR-E

HYBRID POLYUREA WITH HIGH ELASTICITY

BENEFITS

- ✓ **Elastic and flexible** for roofing applications
- ✓ **High** Crack Bridging capacity
- ✓ **Applicable** on old bituminous and slate membranes, concrete, metal, synthetic coverings.

APPLIED WITH

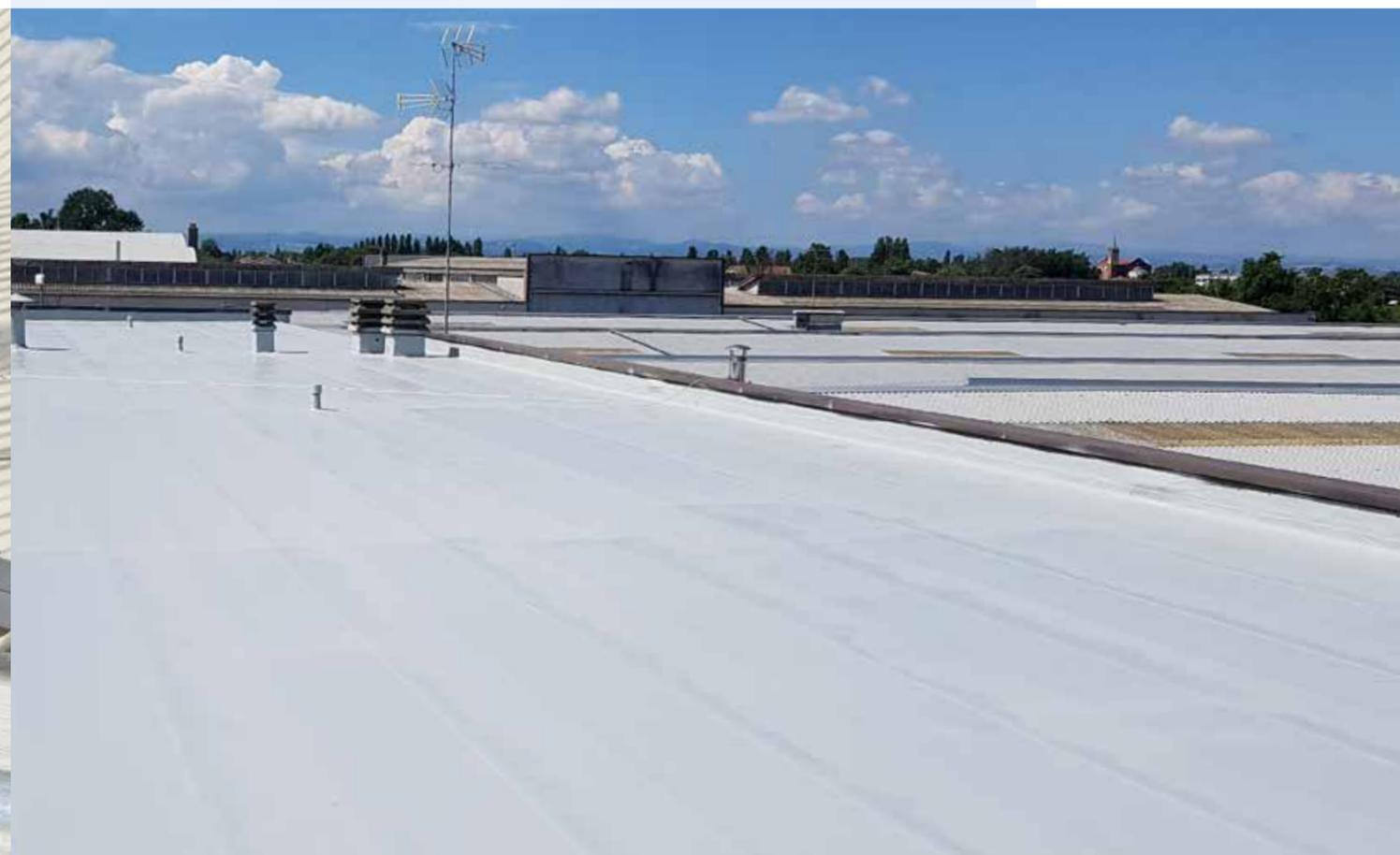
Bi mixer pump with in-line heaters



PACKAGING

435 kg

Refer to the technical data sheet



Gamma Primer

	PRIMER 0130R Flexible Polyurethane	PRIMER 0230 Solvent-based Polyurethane	STARCEMENT 5A Water-based Epoxy	DUROGLASS FF4416 Multipurpose Epoxy	DUROGLASS P2/PRIMER Filled epoxy	DUROGLASS FU Water-based Epoxy
BITUMINOUS MEMBRANES 	X	X	X	X		
TILES 	X			X	X	X
CEMENT 	X	X	X	X	X	X
DAMP SURFACES 						X
WOOD 	X	X		X		
METAL 	X			X		
PVC/TPO/EPDM 	X			X		

Top coats Range

SINGLE-COMPONENT	STARFLEX MONO TOP W	Single-component water-based Top Coat aliphatic <ul style="list-style-type: none"> • elastic • not yellowing • UV-resistan
	STARFLEX MONO TOP S	Single-component polyurethane Top Coat aliphatic <ul style="list-style-type: none"> • elastic • not yellowing • UV-resistan
TWO-COMPONENT	POLISTAR E/P	Two-component polyurethane Top Coat aliphatic <ul style="list-style-type: none"> • elastic • not yellowing • UV-resistan

Accessory products



STARTEX TAPE BT
Adhesive butyl strip



STARMASTIC P95
Single-component polyurethane



STARFLEX FIBRA
Fibre-reinforced single-component polyurethane



STARFLEX HYBRID
Membrane for application on wet surfaces

Polyurethane foams



THERMAL INSULATION



ULTRA RAPID



WATERPROOF



STARFOAM

TWO-COMPONENT POLYURETHANE
INSULATING FOAM
DENSITY 35-42 KG/M³
DENSITY 43-50 KG/M³

BENEFITS

- ✓ CAM-certified
- ✓ Self-extinguishing
- ✓ Thermal insulation
- ✓ Long-lasting
- ✓ High adhesion
- ✓ Moisture resistant

APPLIED WITH



PACKAGING

490 kg (A+B)



Refer to the
technical
data sheet



Certified for excellence, guaranteed for reliability



COMPLIANCE
with minimum
environmental criteria



ENVIRONMENTAL
Product
Declaration



BROOF
certification



DURABILITY
certified for 25 years



RESISTANCE
to hail impact



SUITABLE
for drinking water
containment



BARRIER
effective against
radon gas infiltration



CERTIFICATION
Root-resistant





Materiali Protettivi Milano
The ideal partner for your work.

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