

## POLYMAT® PRODUCT RANGE 2020 -2021



### POLYMAT®

Polymeric Waterproofing membranes of PVC compound

#### POLYMAT Roof UV -R (reinforced)

EN 13956 + ASTM D 4434

Single-ply membrane for exposed roofing and waterproofing applications.

High UV-resistant & fire retardant polymeric PVC-P waterproofing membrane with a PVC-coated Polyester scrim reinforced for providing high tear strength & dimensional stability. Complies with the European harmonized standard EN - DIN 13956 and ASTM D 4434 (flexible sheets for waterproofing).

	POLYMAT UV-R	Thickness (mm)	Width (m)	Length (m)	Color (*)
1	POLYMAT UV-R 12	1.20	2.10	25	Top: RAL 9016 traffic white, Bottom: RAL 7030 stone grey
2	POLYMAT UV-R 15	1.50	2.10	20	Top: RAL 9016 traffic white, Bottom: RAL 7030 stone grey
3	POLYMAT UV-R 16	1.60	2.10	20	Top: RAL 9016 traffic white, Bottom: RAL 7030 stone grey
4	POLYMAT UV-R 20	2.00	2.10	20	Top: RAL 9016 traffic white, Bottom: RAL 7030 stone grey

On demand: Other thicknesses up to 3.20 mm.

(\*) Top color: available in various colors, refer to BITUMAT color list.

For detail works use **POLYMAT Roof UV-HM**

**POLYMAT UV -R-FB** with fleece back (polypropylene 140 – 300 g/m<sup>2</sup>).

**POLYMAT UV -R:** rolls up to 90 lm; big size prefabricated panels up to 1,000 m<sup>2</sup>.

#### POLYMAT Roof UV -HM (homogenous)

EN 13956 + ASTM D 4434

Single-ply membrane for exposed roofing and waterproofing applications.

High UV-resistant & fire retardant polymeric PVC waterproofing membrane made from a long-term proven PVC-P compound in a most modern co-extrusion process, features high elongation for elasticity to absorb structural movements. Complies with the European harmonized standard EN - DIN 13956 and ASTM D 4434.

	POLYMAT Roof UV-HM	Thickness (mm)	Width (m)	Length (m)	Color (*)
1	POLYMAT UV-HM 12	1.20	2.10	25	Top: RAL 9016 traffic white, Bottom: RAL 7030 stone grey or black
2	POLYMAT UV-HM 15	1.50	2.10	20	Top: RAL 9016 traffic white, Bottom: RAL 7030 stone grey or black
3	POLYMAT UV-HM 16	1.60	2.10	20	Top: RAL 9016 traffic white, Bottom: RAL 7030 stone grey or black
4	POLYMAT UV-HM 20	2.00	2.10	20	Top: RAL 9016 traffic white, Bottom: RAL 7030 stone grey or black

On demand: Other thicknesses up to 3.20 mm.

(\*) Top color: available in various colors, refer to BITUMAT color list.

**POLYMAT UV -HM:** rolls up to 60 lm; big size prefabricated panels up to 1,000 m<sup>2</sup>.

#### POLYMAT Roof -R + HM

EN 13956 + ASTM D 4434

Single-ply membrane for inverted roofs, ballasted roof systems & roof gardens (green roofs).

PVC-P waterproofing membrane (with UV filter and IOL fire retardant properties) can be with a PVC-coated Polyester scrim reinforced for providing high tear strength & dimensional stability, or homogenous for high flexibility. Complies with the European harmonized standard EN -DIN 13956 and ASTM D 4434.



(\*) **POLYMAT Roof -R + HM:** Non-UV resistant membranes for covered roof application only.

POLYMAT Roof -R		Thickness (mm) (*)	Width (m)	Length (m)	Color
1	POLYMAT Roof -R 12	1.20	2.10	25	Top: RAL 9002 grey white, Bottom: RAL 9004 black or RAL 7030 stone grey
2	POLYMAT Roof -R 15	1.50	2.10	20	Top: RAL 9002 grey white, Bottom: RAL 9004 black or RAL 7030 stone grey
3	POLYMAT Roof -R 16	1.60	2.10	20	Top: RAL 9002 grey white, Bottom: RAL 9004 black or RAL 7030 stone grey
4	POLYMAT Roof -R 20	2.00	2.10	20	Top: RAL 9002 grey white, Bottom: RAL 9004 black or RAL 7030 stone grey

(\*) On demand: Other thicknesses up to 3.20 mm.

**POLYMAT Roof -R-FB** with fleece back (polypropylene 140 – 300 g/m<sup>2</sup>).

**POLYMAT UV -HM:** rolls up to 60 lm; big size prefabricated panels up to 1,000.

POLYMAT Roof -HM		Thickness (mm) (*)	Width (m)	Length (m)	Color
1	POLYMAT Roof -HM 12	1.20	2.10	25	Top: RAL 9002 grey white, Bottom: RAL 9004 black or RAL 7030 stone grey
2	POLYMAT Roof -HM 15	1.50	2.10	20	Top: RAL 9002 grey white, Bottom: RAL 9004 black or RAL 7030 stone grey
3	POLYMAT Roof -HM 16	1.60	2.10	20	Top: RAL 9002 grey white, Bottom: RAL 9004 black or RAL 7030 stone grey
4	POLYMAT Roof -HM 20	2.00	2.10	20	Top: RAL 9002 grey white, Bottom: RAL 9004 black or RAL 7030 stone grey

**POLYMAT Roof -R + HM:** rolls up to 90 lm; big size prefabricated panels up to 1,000 m<sup>2</sup>.

**POLYMAT Roof HM** (homogenous) for detail works, up-stands and skirtings in combination with reinforced membranes.

## POLYMAT® Base – POLYMAT GEO

Waterproofing membranes for civil engineering, building structures & surfaces below ground. Geo - membrane applications: Lining, protection & separation membrane on various substrates. For civil engineering and landscaping projects, canals, dams, reservoirs, artificial lakes. Complies with the European harmonized standard EN 13967 (Basements) and EN 13491 (Tunnels).

**-R:** Polyester scrim reinforced **-HM:** homogenous

### POLYMAT Base -R

**EN 13967 + EN 13491**

POLYMAT Base -R		Thickness (mm) (*)	Width (m)	Length (m)	Color
1	POLYMAT Base -R 12	1.20	2.10	25	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black
2	POLYMAT Base -R 15	1.50	2.10	20	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black
3	POLYMAT Base -R 20	2.00	2.10	20	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black
4	POLYMAT Base -R 22	2.20	2.10	20	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black

(\*) Topside color: RAL 1021 cadmium yellow as **signal layer** (other colors available on demand) Bottom side: RAL 9004 black.

(\*\*) Thicknesses: we supply any thickness from 1.20 mm up to 3.20 mm.

- On demand:
- Fleece back – polypropylene non-woven fleece 140-300 g/m<sup>2</sup> (POLYMAT BASE/GEO -R-FB)
  - Top layer with high resistance to UV rays, RAL 9016 white (POLYMAT BASE/GEO -R-UV, -R-UV-FB)
  - **POLYMAT Base -R: roll lengths up to 90 lm; big size prefabricated panels up to 1,000 m<sup>2</sup>.**

### POLYMAT Base -HM

**EN 13967 + EN 13491**

POLYMAT Base -HM		Thickness (mm) (*)	Width (m)	Length (m)	Color
1	POLYMAT Base HM 12	1.20	2.10	25	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black
2	POLYMAT Base HM 15	1.50	2.10	20	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black
3	POLYMAT Base HM 20	2.00	2.10	20	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black



4	POLYMAT Base HM 22	2.20	2.10	20	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black
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(\*) Topside color: RAL 1021 cadmium yellow as **signal layer** (other colors available on demand)

Bottom side: RAL 9004 black

(\*\*) Thicknesses: We supply any thickness from 1.20 mm up to 3.20 mm.

- On demand:
- Fleece back – polypropylene non-woven fleece 140-300 g/m<sup>2</sup> (POLYMAT BASE/GEO -R-FB)
  - Top layer with high resistance to UV rays, RAL 9016 white (POLYMAT BASE/GEO -R-UV, -R-UV-FB)
  - **POLYMAT Base -R: roll lengths up to 90 lm; big size prefabricated panels up to 1,000 m<sup>2</sup>.**

## POLYMAT -TN® (Tunnel)

**EN 13491**

Waterproofing membrane for tunnels and covered vaults (with signal layer RAL 1021 cadmium yellow), homogenous (acc.to EN 13491).

POLYMAT -TN (HM)		Thickness (mm) (*)	Width (m)	Length (m)	Color
1	POLYMAT -TN 18	1.80	2.10	20	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black
2	POLYMAT -TN 20	2.00	2.10	20	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black
3	POLYMAT -TN 22	2.20	2.10	20	Top: RAL 1021 cadmium yellow, Bottom: RAL 9004 black

On demand: Various roll lengths up to 90 lm, thicknesses up to 3.20 mm.

## POLYMAT Pota®

**EN 13967 + BS-EN 6920, 1-3**

Waterproofing membrane certified for lining of potable water tanks, reservoirs and containers for various liquids.

-R: Polyester scrim reinforced -HM: homogenous

Certified for inner linings of water tanks provided and specified for the containing of potable water acc. to BS-EN 6929, Part 1,2,3 (suitability of non-metallic products for use in contact with water intended for human consumption).

POLYMAT Pota -R		Thickness (mm) (*)	Width (m)	Length (m)	Color
1	POLYMAT Pota-R 12	1.20	2.10	25	Top: RAL 9002 grey white, Bottom: RAL 9004 black
2	POLYMAT Pota-R 15	1.50	2.10	20	Top: RAL 9002 grey white, Bottom: RAL 9004 black
POLYMAT Pota -HM		Thickness (mm) (*)	Width (m)	Length (m)	Color
1	POLYMAT Pota HM 12	1.20	2.10	25	Top: RAL 9002 grey white, Bottom: RAL 9004 black
2	POLYMAT Pota HM 15	1.50	2.10	20	Top: RAL 9002 grey white, Bottom: RAL 9004 black

## POLYMAT Pool®

**EN 15836**

Classic Swimming Pool membranes and Pond Liners in **SKY BLUE** color , UV resistant.

R: Polyester scrim reinforced -HM: homogenous

POLYMAT Pool -R		Thickness (mm) (*)	Width (m)	Length (m)	Color
1	POLYMAT-Pool -R 12	1.20	2.10	25	Top-and Bottom-side: RAL 5015 Sky Blue
2	POLYMAT-Pool -R 15	1.50	2.10	20	Top-and Bottom-side: RAL 5015 Sky Blue
POLYMAT -Pool -HM		Thickness (mm) (*)	Width (m)	Length (m)	Color
1	POLYMAT-Pool -HM 12	1.20	2.10	25	Top-and Bottom-side: RAL 5015 Sky Blue
2	POLYMAT-Pool -HM 15	1.50	2.10	20	Top-and Bottom-side: RAL 5015 Sky Blue
POLYMAT Pool SL -HM		Thickness (mm) (*)	Width (m)	Length (m)	single layer design
1	POLYMAT-Pool SL-HM 10	1.00	2.10	30	Single layer membrane in color RAL 5015 sky blue

POLYMAT Pool -R, -HM and SL: roll lengths up to 90 lm; big size prefabricated panels up to 1,000 m<sup>2</sup>.



### **BITUMAT POLYMAT PVC Waterproofing membranes - advantages:**

- High mechanical and thermal resistance.
- High resistance to UV rays & weathering.
- High resistance to puncturing.
- Fulfills European Fire protection standards Broof (t1) = hard roof on XPS/EPS with a 120 g separation layer (and on mineral wool boards).
- High resistance to hot-cold temperature cycles.
- Various RAL colors available on demand to aid architectural designs.
- High aging resistance due to latest formulation technology, developed since 40 years.
- Fast application: Standard roll lengths of 25/20 lm and 2.10 lm widths (roll lengths up to 90 lm).
- Full range of complimentary accessories available.
- Customized sheet sizes of up to 1000 sqm available for any membrane type and project.
- Membrane thicknesses up to 3.20 mm.

### **Storing - Loading - Transport**

**POLYMAT** membranes are recommended to be stored under shade with proper ventilation and on pallets.

**BITUMAT** sales and logistics department will inform you about the exact loading and transport data.

### **Quality assurance**

**POLYMAT** products originating from **BITUMAT DAMMAM** facility are manufactured under a management system independently certified to conform to the requirements of ISO 9001:2015, specified to EN 13956.

### **Safety**

**POLYMAT** brand products contain no scrap plastic materials or toxic materials such as lead and heavy metals, asbestos, tar or any other dangerous substances. When complying with **POLYMAT** installation manuals, **POLYMAT** membranes do not damage the environment and are not classified as hazardous goods for all transports.

### **Note**

Advisory service, where provided, does not constitute supervisory responsibility.  
For additional information, contact the **BITUMAT** Sales & Application Department.