

POLYFIN[®]

THE WATERPROOFING MEMBRANE MADE OF FPO/TPO



ECOLOGICAL

FLEXIBLE

COLOURED



POLYFIN AG

Flat Roof Technology for the Future

POLYFIN® - THE WATERPROOFING MEMBRANE MADE OF FPO/TPO

Polyfin® is a synthetic high quality single ply membrane, consisting of Flexible Thermoplastic Polyolefines (FPO/TPO). This is, from an ecological perspective, an environmentally sound and superb product. It is easy to handle in installation which is important from the viewpoint of a craftsman.

Polyfin® is an extremely environmentally friendly material and easy to install. Polyfin is a product manufactured to the highest standards of quality and visually attractive as it is available in a range of colors. Additionally, Polyfin® is compatible with bituminous roofing and polystyrene insulation, which makes it ideal for both new construction and refurbishment projects.

Polyfin® is suitable for all types of flat roof constructions and can be installed through various methods such as mechanical fixing or adhesive bonding. Furthermore, it can be used in other structural waterproofing applications such as foundations, cellars, basements and underground car parks.

In today's market, environmental considerations and sustainability are becoming increasingly important, making Polyfin® the ideal choice.

If you need an ecologically acceptable product, Polyfin® will give you everything you require as proved by our Environmental Product Declarations (EPD) made in accordance with ISO 14025 and EN 15804 published by Institut für Bauen und Umwelt e.V (IBU - Institute for Construction and Environment).

POLYFIN® WILL BRING YOU FURTHER ADVANTAGES TAILORED TO YOUR INDIVIDUAL REQUIREMENTS.

Ecological

The production of Polyfin® is completely environmentally acceptable as it incorporates no chemicals such as plasticizers, halogens e.g. as chlorine or bromine that are harmful to the environment. Polyfin® is an entirely PVC and plasticiser free product. Also in installation on the roof, the hot air welding of the seams releases no toxic or dangerous substances. Furthermore, no solvents are required for preparing the welds. For green roofs there is a further advantage that Polyfin® is root and rhizome resistant in acc. to official standards, so requires no further root resistant additive. Polyfin® has been tested for this application in accordance with the FLL testing standards. As Polyfin® is inert, it does not react with other materials, so it can be safely used for potable water applications in accordance with the KTW Guidelines. It has been tested and approved by an accredited institute.

Flexible

Because Polyfin® is so flexible it is ideal for use on complex roofs as it can be formed to almost any shape. As Polyfin® has good expansion characteristics, it can accommodate all building movements due to thermal expansion and contraction.

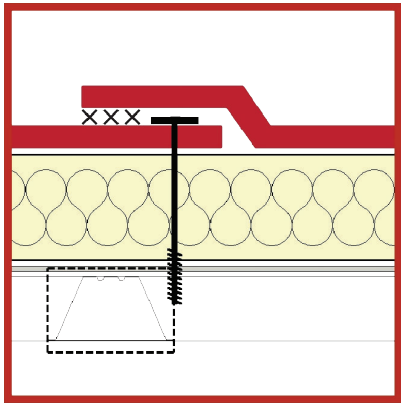
Coloured

Due to its product features Polyfin® is not only very flexible, but also gives you a lot of leeway with your work. In addition to our standard colours we offer a wide range of special colours. This opens up many new opportunities for you in designing your projects.

BITUMEN AND POLYSTYRENE COMPATIBLE • ROOT AND RHIZOME RESISTANT TO FLL-TESTING METHOD • TESTED RESISTANCE TO FLYING SPARKS AND RADIANT HEAT FOR CONVENTIONAL ROOF STRUCTURES • SIMPLE INSTALLATION AND HANDLING • NO SUBSEQUENT SEALING OF THE SEAM EDGES REQUIRED

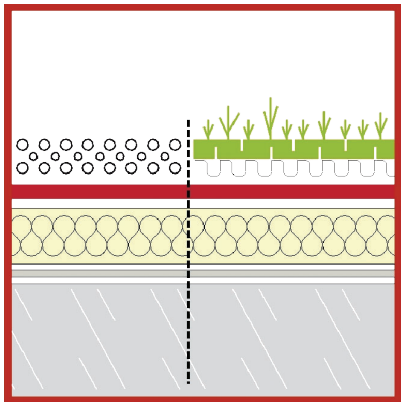
CONVINCE YOURSELF OF THE MANY POSSIBLE APPLICATIONS OF POLYFIN®

ECONOMICAL SOLUTIONS FOR EVERY ROOF BUILD UP



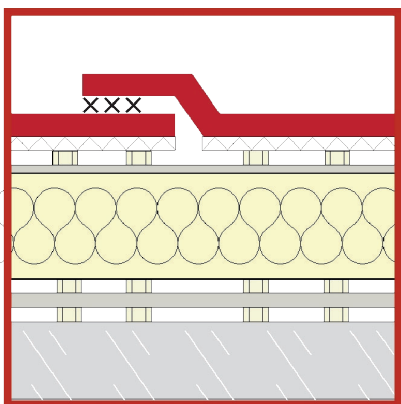
MECHANICALLY FASTENED

Polyfin® 3025	Polyfin® 4020 v
Polyfin® 3020	Polyfin® 4018 v
Polyfin® 3018	Polyfin® 4015 v
Polyfin® 3016	
Polyfin® 4230	



LOOSE LAID AND BALLASTED

Polyfin® 3025	Polyfin® 4020 v
Polyfin® 3020	Polyfin® 4018 v
Polyfin® 3018	Polyfin® 4015 v
Polyfin® 3016	
Polyfin® 4230	



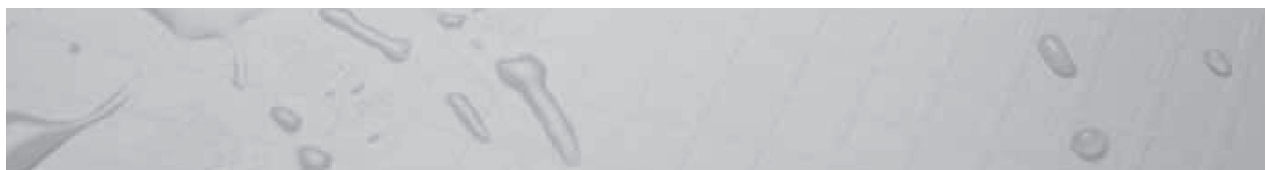
BONDED APPLICATION

Polyfin® 4230 (stripwise or fully bonded)

Polyfin® 4020 v (stripwise or fully bonded)

Polyfin® 4018 v (stripwise or fully bonded)

Polyfin® 4015 v (stripwise or fully bonded)



Technical data Standard – no fleece backing	Polyfin® 3025 glass fleece reinforced	Polyfin® 3020 glass fleece reinforced	Polyfin® 3018 glass fleece reinforced	Polyfin® 3016 glass fleece reinforced
Loose laid with ballast incl. green roof	•	•	•	•
Loose laid and mechanically fixed	•	•	•	•
Strip bonded (partially)	–	–	–	–
Fully bonded	–	–	–	–
Effective thickness in mm	2.5	2.0	1.8	1.6
Width in mm	2100 / 1500 / 1050 / 750 / 500 / 350 / 250	2100 / 1500 / 1050 / 750 / 500 / 350 / 250	2100 / 1500 / 1050 / 750 / 500 / 350 / 250	2100 / 1500 / 1050 / 750 / 500 / 350 / 250
Length per roll in m	20	20	20	20

Technical data Fleece backed	Polyfin® 4230 glass fleece reinforced, fleece backed, welding edge on 2 sides	Polyfin® 4020 v glass fleece reinforced, fleece backed, welding edge on 2 sides	Polyfin® 4018 v glass fleece reinforced, fleece backed, welding edge on 2 sides	Polyfin® 4015 v glass fleece reinforced, fleece backed, welding edge on 2 sides
Loose laid with ballast incl. green roof	•	•	•	•
Loose laid and mechanically fixed	•	•	•	•
Strip bonded (partially)	•	•	•	•
Fully bonded	•	•	•	•
Effective thickness in mm	2.0	2.0	1.8	1.5
Width in mm	1500	1500	1500	1500
Length per roll in m	15	15	15	15

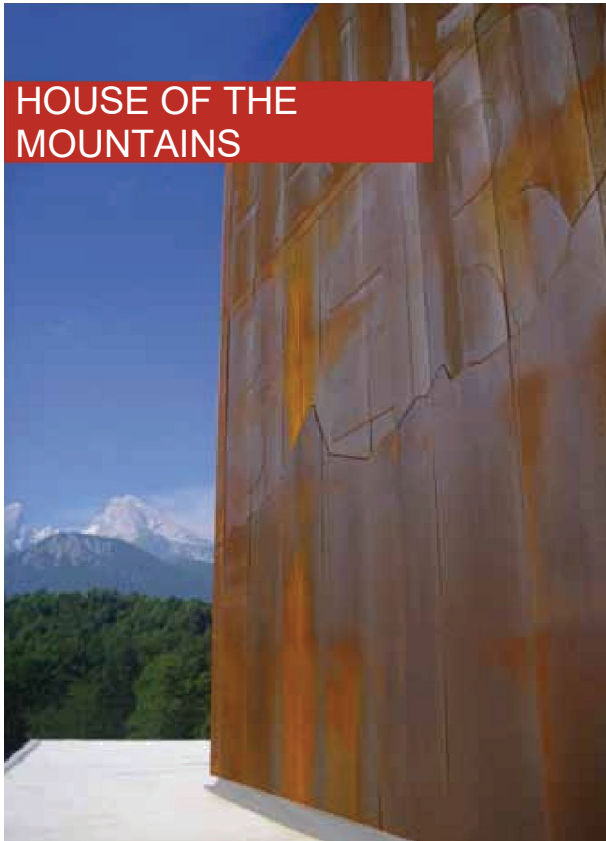
EUROHUB FRANKFURT



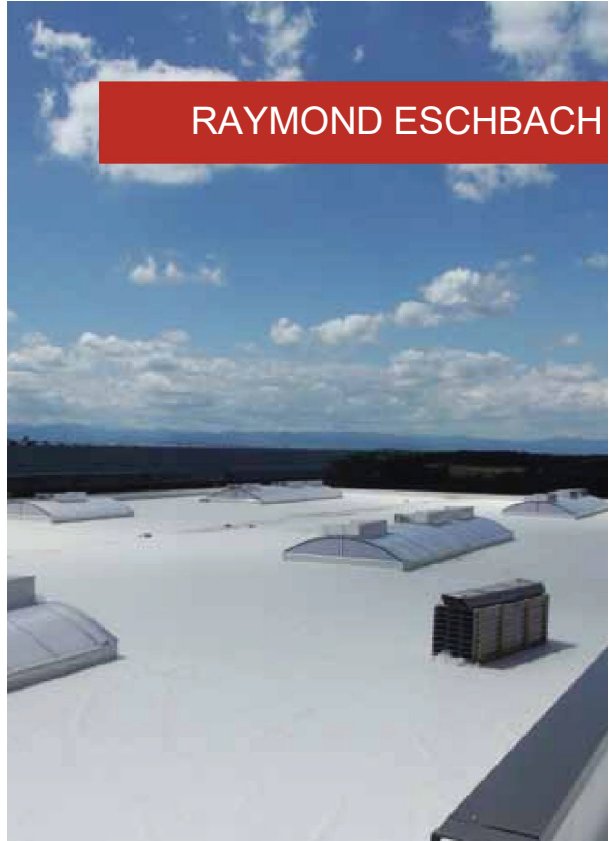
SCHILLER SCHOOL WALLDORF



HOUSE OF THE MOUNTAINS



RAYMOND ESCHBACH



PHÖNIX PFENNING HEDDESHEIM

