



# EGR Blue Roof Void Former System

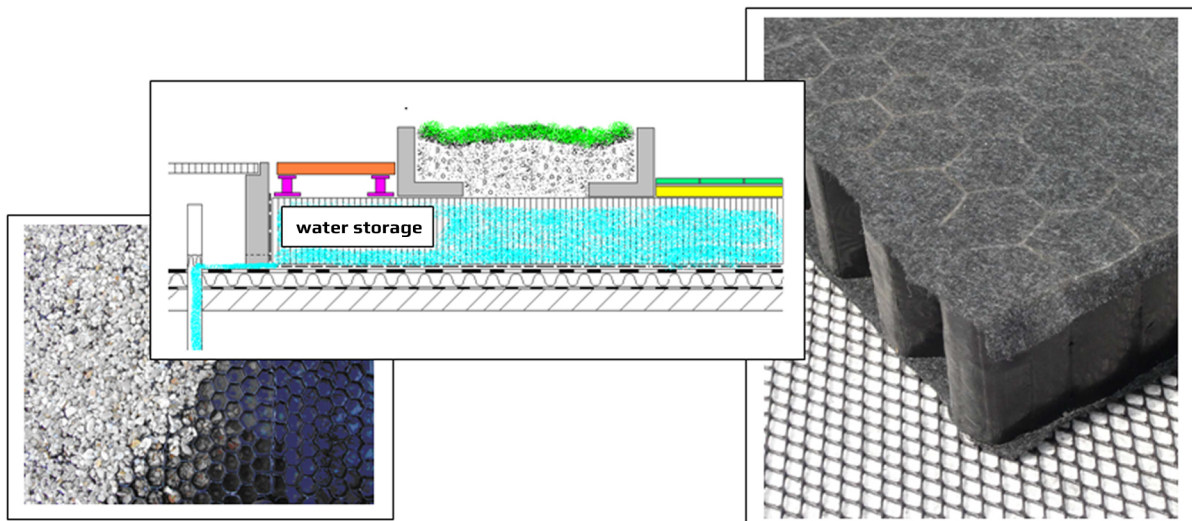
## DEFINITION

EGR Blue Roof is a rigid plate with hexagonal plastic structure and covered by a synthetic non-woven fleece. EGR Blue Roof has very high compressive strength and at the same time an excellent void ratio (> 95%).

## SCOPE OF APPLICATION

EGR Blue Roof can be used as:

- Temporary or permanent water retention
- Light backfill in case of green roof or under pedestrian protection
- Stabiliser of gravels in case non accessible roof
- Stabiliser of substrate in case of greenroof



# COMPOSITION CHARACTERISTICS

## EGR Blue Roof



Compound	Polypropylene (60% recycled PP)
Design	Hexagonal (50mm)
Surface (except 520mm thick)	Non woven polyester 150g/m <sup>2</sup>
Density	33 kg/m <sup>3</sup> (ISO 845)
Water storage capacity	Void Ratio (≥ 95% )
EGR BRVF40	≥ 38 liters / m <sup>2</sup>
EGR BRVF60	≥ 57 liters / m <sup>2</sup>
EGR BRVF80	≥ 76 liters / m <sup>2</sup>
EGR BRVF100	≥ 95 liters / m <sup>2</sup>
Resistance Rcs min Distortion	0,150 MPa
	Ds min = 1% and Ds max = 2%
Compressive strength	≥ 294 kN/m <sup>2</sup>

## PACKAGING

EGR Blue Roof	EGR BRVF40	EGR BRVF60	EGR BRVF80	EGR BRVF100
Facing face 1 - polyester	Filter 150g/m <sup>2</sup>	Filter 150g/m <sup>2</sup>	Filter 150g/m <sup>2</sup>	Filter 150g/m <sup>2</sup>
Facing face 2 - polyester	non	non	30g/m <sup>2</sup>	30g/m <sup>2</sup>
Size of the plates	2,40m x 1,20m (+/- 25mm)	2,40m x 1,20m (+/- 25mm)	2,40m x 1,20m (+/- 25mm)	2,40m x 1,20m (+/- 25mm)
Surface of a plate	2,88 m <sup>2</sup>	2,88 m <sup>2</sup>	2,88 m <sup>2</sup>	2,88 m <sup>2</sup>
Thickness ( +/- 5 mm )	40mm	60mm	80mm	100mm
Weight	1,7 kg/m <sup>2</sup>	2,4 kg/m <sup>2</sup>	3,2 kg/m <sup>2</sup>	35 kg/m <sup>2</sup>
Quantity of plate / pallet	56	37	28	22
Surface / pallet	161,28 m <sup>2</sup>	106,56 m <sup>2</sup>	80.64 m <sup>2</sup>	63.36 m <sup>2</sup>
Weight/pallet	260 kg	260kg	260 kg	260 kg

## INSTALLATION

EGR Blue Roof boards are installed, in one or several layers.

Boards are installed over the waterproofing membrane or inverted insulation boards.

A separate drainage board has to be installed below the EGR BRVF boards to allow horizontal movement of water.

Eco Green Roofs  
Unit 3  
Rays Barn Farm  
Ingatstone  
CM4 9EH