

## WPC Protection Mat

### Technical Data

TenCate Polyfelt® WPC is a composite made from a nonwoven combined with an impermeable coating on one or on both sides. WPC is characterized by good bonding between membrane and nonwoven and high mechanical and chemical resistance.



TenCate Polyfelt® WPC

Technical Data	Standard	WPC 300/70 coated on one side		WPC 70/300/70 coated on both sides
<b>Nonwoven</b>				
Raw material	-	Polypropylene		Polypropylene
Tensile strength	EN ISO 10319	19 kN/m		19 kN/m
CBR puncture resistance	EN ISO 12236	3300 N		3300 N
<b>Membrane</b>				
Raw material	-	Polyethylene (PE-LD)		Polyethylene (PE-LD)
Thickness	EN ISO 9863-1	70 µm		70 µm
<b>Composite</b>				
Thickness at 2 kPa	EN ISO 9863-1	2 mm		2 mm
Thermal resistance	DIN 52612	0.08 m <sup>2</sup> K/W		0.08 m <sup>2</sup> K/W
Weight	EN ISO 9864	400 g/m <sup>2</sup>		450 g/m <sup>2</sup>
<b>Forms of Supply</b>				
Length	-	50 m	25 m	50 m
Width	-	2 m	4* m	2 m
Weight of roll	-	ca. 44 kg		ca. 47 kg
Delivery on pallets	-	9 rolls / pallet		9 rolls / pallet

\* folded to 2 m wide rolls

The values given are average values obtained in our laboratories. The right is reserved to make changes without notice at any time.

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## WPC Protection Mat

**TenCate Polyfelt® WPC protection mats consist of a high-strength nonwoven with a watertight coating on one or on both sides. WPC protection mats are used primarily as protection against climatic influences; they are also used as slip sheets to relieve stresses between construction elements.**

During the construction of buildings, the construction elements are exposed to the climate. In winter frost can adversely affect the quality of fresh concrete. In summer, there is a risk that concrete will dry too fast and thus crack. Rain can influence the quality of the surface of concrete, seep into construction elements, or lead to rotting of timber.

In all these cases TenCate Polyfelt® WPC provides protection against climatic influences. Cheap plastic membranes tear easily and are readily damaged by wind. Their effect against frost is minimal. In contrast, WPC provides high tensile strength, so that multiple applications are the rule. Thanks to its insulating properties, pouring of concrete is possible even under moderate frost conditions. In hot climates WPC prevents excessively fast drying of concrete. And the combination of a membrane with a nonwoven means that no condensation will form under the cover.



Handling is easy. WPC can be cut with a knife or scissors. Adhesive tape can be used for jointing. WPC is very flexible, is light, and can therefore be placed easily.

### Scope of application:

- Covering of fresh concrete
- Covering of construction materials such as cement, timber and similar
- Visual screening-off
- Stress relief between construction elements
- Protection against dirt

### Advantages at a glance:

- Protection against climatic influences
- Prevention of condensation
- Reduced risk of frost

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Quality - Environment - Safety

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