GUARD

Dimpled protection sheet

GUARD is a dimpled protection sheet made from recycled HDPE without a geotextile layer. The product range comprises different dimple heights and compressive strength options and is supplied in rolls. It forms part of waterproofing details exposed to backfill on foundation and retaining walls. Sheet selection takes account of the supporting surface, backfill conditions and project details.

≈8 / ≈10 / ≈20 / ≈25 mm

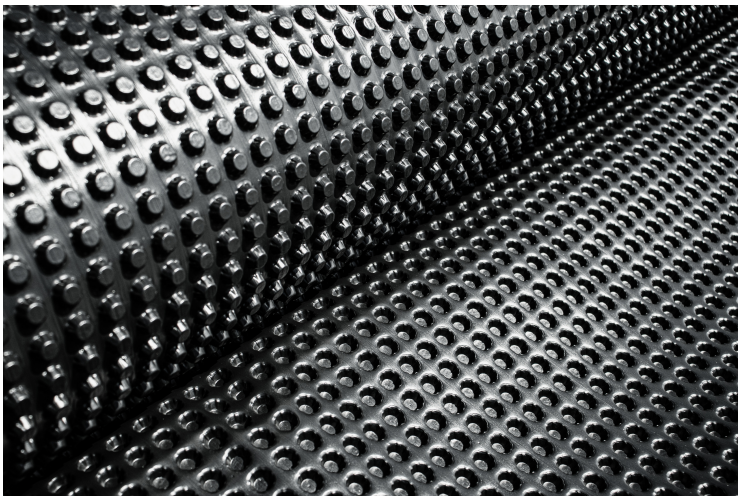
Dimple height

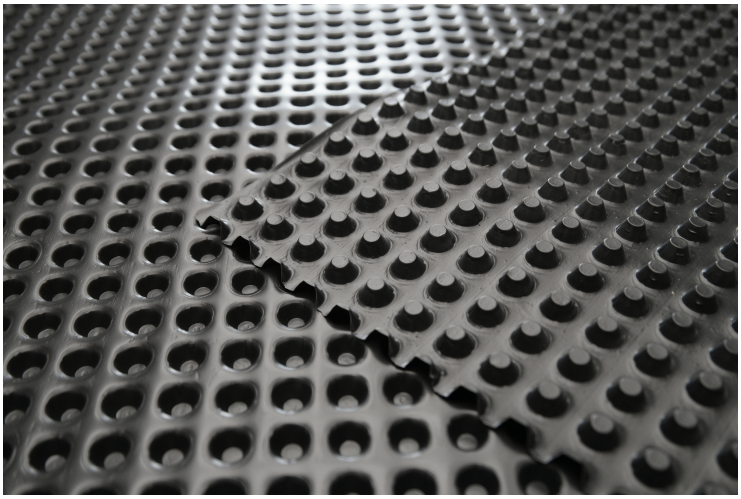
150-400 kN/m²

Compressive strength range

GUARD 8, GUARD 8+, GUARD HP

Series





System benefits

It forms a physical separation layer between the backfill material and the waterproofing. It prevents direct contact between the waterproofing surface and the backfill material and helps limit mechanical effects during backfilling and compaction. The protection layer, together with its joints and terminations, forms part of the construction detail. The use of GUARD within the system is considered alongside the waterproofing, fixings and backfill arrangement.

Applications

It is used as a protection layer on foundation and retaining walls, around basements and in waterproofing details exposed to backfill.

GUARD does not replace the waterproofing layer.

GUARD

TECHNICAL PROPERTIES

Component	Technical property	Method / conditions	Unit	GUARD 8			GUARD 8+			GUARD HP		
				400	500	600	400	500	600	10	20	25
SHEET	**Dimple height**	Geometrical measurement	mm	≈8						≈10	≈20	≈25
	Colour	-	-	Black								
	Polymer type	Manufacturer declaration	-	Recycled HDPE								
	Compressive strength	EN ISO 25619-2	kN/m²	150 (±30%)	200 (±30%)	250 (±30%)	150 (±10%)	200 (±10%)	250 (±10%)	400 (±10%)	200 (±10%)	200 (±10%)
	Roll width / roll length	EN 1848-2	m	0.50 / 1 / 1.50 / 2 (±1%) 10 / 20 / 30 (±1%)							2 (±1%) 20 (±1%)	2 (±1%) 12.5 (±1%)
	Tensile strength, minimum MD/CMD	EN 12311-2	N/50 mm	MD ≥150 CMD ≥100	MD ≥180 CMD ≥120	MD ≥200 CMD ≥150	MD ≥200 CMD ≥150	MD ≥250 CMD ≥180	MD ≥300 CMD ≥200	MD ≥200 CMD ≥150	MD ≥300 CMD ≥250	MD ≥300 CMD ≥250
	Elongation at break, minimum MD/CMD	EN 12311-2	%	MD ≥25 CMD ≥15			MD ≥30 CMD ≥20					
	Reaction to fire	EN 13501-1	class	F			E					
	Watertightness	EN 1928	-	W1								
	Temperature resistance		°C	-30 / +80								
	CE marking	EN 13967	--	Yes						No		