

High-strength geogrid for road base and sub-base stabilisation.

**STRADEX PET**

STRADEX PET	20/20	30/30	35/20	40/40	50/50	55/30	55/55	60/60
<b>Mechanical properties (typical values)</b>								
Tensile strenght, kN/m (EN ISO 10319)	- MD	22 (-2)	33 (-3)	40 (-5)	44 (-4)	55 (-5)	60 (-5)	66 (-6)
	- CMD	22 (-2)	33 (-3)	22 (-2)	44 (-4)	55 (-5)	33 (-3)	60 (-5)
Strain at maximum strenght, % (EN ISO 10319)	- MD	10 (+2)	10 (+2)	10 (+2)	10 (+2)	10 (+2)	10 (+2)	10 (+2)
	- CMD	10 (+2)	10 (+2)	10 (+2)	10 (+2)	10 (+2)	10 (+2)	10 (+2)
Force at strain 2% (EN ISO 10319)	- MD	3 (-0)	4 (-0)	5 (-0)	6 (-0)	6 (-0)	7 (-0)	8 (-0)
	- CMD	3 (-0)	4 (-0)	3 (-0)	6 (-0)	6 (-0)	4 (-0)	8 (-0)
Force at strain 3% (EN ISO 10319)	- MD	5 (-0)	7 (-0)	7 (-0)	10 (-0)	12 (-0)	14 (-0)	15 (-0)
	- CMD	5 (-0)	7 (-0)	5 (-0)	10 (-0)	12 (-0)	7 (-0)	15 (-0)
Force at strain 5% (EN ISO 10319)	- MD	8 (-0)	12 (-0)	12 (-0)	16 (-0)	20 (-0)	22 (-0)	25 (-0)
	- CMD	8 (-0)	12 (-0)	8 (-0)	16 (-0)	20 (-0)	22 (-0)	25 (-0)
<b>Physical properties</b>								
Mesh size, mm	20x20±100x100							
Geogrid core	PET							
Polimeric coating	polymer							
Roll width (standart), m	5,2							
Roll length (standart), m	50 и 100							
Loading capacity (standart), m2	53000	53000	58000	46000	46000	51000	46000	36000

**STRADEX PET** is a bi-axial or monoaxial PET geogrid used for the reinforcement of base courses (i.e. roadbases and subbases). The product allows the optimised interlock with the typical materials used in the base course and subgrade layer of paved and unpaved roads.

The **STRADEX PET** geogrid increases the bearing capacity of the subgrade and provides an immediately stable layer after installation.


**Features**

1. PET as raw material
2. High tensile strength in conjunction with low strain
3. Flexible and dimensionally stable geogrid
4. No "memory effect"
5. Suitable for alkaline environments, e.g. in conjunction with cement stabilization or recycled rubble
6. Good UV resistance due to polymer coating
7. High robustness and straightforward installation

For the optimisation and improvement process of the technical characteristics of the products, the manufacturer reserves the right to modify the standart characteristics of the product without any notice.

STRADEX PET	65/65	80/30	80/80	100/100	110/30	110/110	150/30
<b>Mechanical properties (typical values)</b>							
Tensile strenght, kN/m (EN ISO 10319)	- MD	70 (-5)	88 (-8)	88 (-8)	110 (-10)	120 (-10)	160 (-10)
	- CMD	70 (-5)	33 (-3)	88 (-8)	110 (-10)	33 (-3)	120 (-10)
Strain at maximum strenght, % (EN ISO 10319)	- MD	10 (+2)	10 (+2)	10 (+2)	10 (+2)	10 (+2)	10 (+2)
	- CMD	10 (+2)	10 (+2)	10 (+2)	10 (+2)	10 (+2)	10 (+2)
Force at strain 2% (EN ISO 10319)	- MD	9 (-0)	10 (-0)	10 (-0)	12 (-0)	15 (-0)	18 (-0)
	- CMD	9 (-0)	4 (-0)	10 (-0)	12 (-0)	4 (-0)	15 (-0)
Force at strain 3% (EN ISO 10319)	- MD	16 (-0)	20 (-0)	20 (-0)	24 (-0)	26 (-0)	30 (-0)
	- CMD	16 (-0)	7 (-0)	20 (-0)	24 (-0)	7 (-0)	26 (-0)
Force at strain 5% (EN ISO 10319)	- MD	27 (-0)	30 (-0)	30 (-0)	40 (-0)	45 (-0)	60 (-0)
	- CMD	27 (-0)	10 (-0)	30 (-0)	40 (-0)	10 (-0)	45 (-0)
<b>Physical properties</b>							
Mesh size, mm	20x20±100x100						
Geogrid core	PET						
Polimeric coating	polymer						
Roll width (standart), m	5,2						
Roll length (standart), m	50 и 100						
Loading capacity (roll length - 100 m), m2	44000	44000	36000	24000	39000	26000	26000

**BRIGHT OUTLOOK  
HIGH TECHNOLOGY**

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