RANGE NOTEX® PAV
Anti-reflective cracking - road repair geocomposite

afitexinov GEOSYNTHETICS UK LTD

APPLICATION

Road reinforcement

Rehabilitation of roads, platforms, paths

Widening works

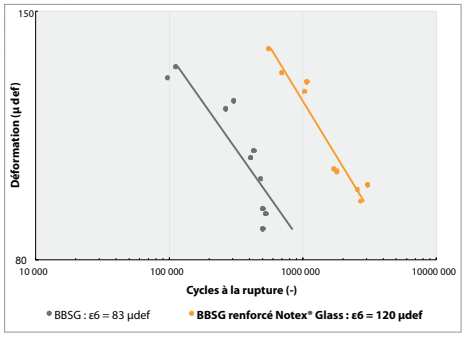
USE

Road performance varies depending on the dynamic constraints and climatic variations to which they are subjected. To slow the progression of events such as reflective cracking or the premature ageing of roads, the NOTEX® PAV reinforcing geocomposite is an effective and long-lasting solution for :

» Rehabilitation of roads, platforms, paths
» Construction of new roads
» Construction of new roads

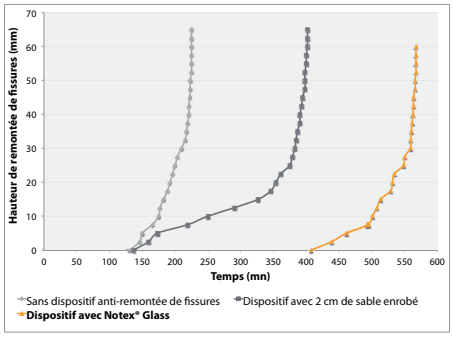
NOTEX® PAV prevents reflective cracking thanks to its high strength, low elongation and its positioning as close as possible to the area at risk. This product is bi-directional, which means that it demonstrates tensile strength in both manufacturing directions. The high strength and reinforcement properties of the NOTEX® PAV geogrids are due to polyester high tenacity cables.

▶ Improved fatigue life:
45% more durable than non-reinforced asphalt.



3-point bending fatigue life results according to EN 12697-24 method C at 10°C / 10 Hz (CIESM-Intevia, Madrid)

▶ Crack prevention system:
40% more effective than 2 cm of coated sand.

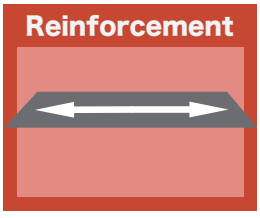


Crack growth results in 6 cm of BBSG/AC (*) shrink-bending test (Cerema, Autun)

(*) BBSG/AC: Asphalt Concrete

FEATURES

» **Reinforcing geocomposite made of polyester with the option of polymer impregnation (reinforcement function) and non-woven polyester geotextile (fixing function).**
» **Resistance from 50 kN/m to 200 kN/m in each direction.**
» **Standard roll size: 1 à 5.30 m x 100 m.**
» **Standard aperture: 40 x 40 mm.**
» **PET fiber with less than 10% deformation at break.**



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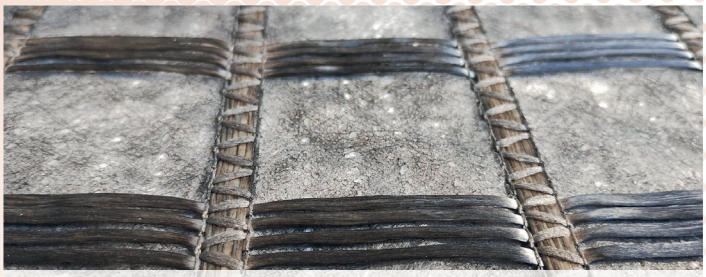
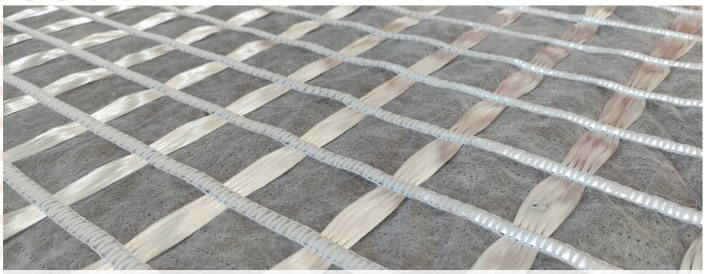


NOTEX® PAV 50/50-40 N



NOTEX® PAV 100/100-40 AN

A WIDE RANGE FOR ALL TYPES OF WORK

NOTEX® PAV no impregnation	Mechanical properties Minimum tensile strength (**)		Characteristics			
Production	At break MD	At break CD	Mass per unit area	Ø Roll diameter	Roll length (*)	Gross weigth of the roll
Standard	NF EN ISO 10319		NF EN ISO 9864	Standard width 5.3 m		
Unit	kN/m	kN/m	g/m²	cm	m	kg
50/50-40 N	50	50	180	24	100	104
70/70-40 N	70	70	230	26	100	128
100/100-40 N	100	100	320	29	100	175
200/200-40 N	200	200	580	35	100	313

NOTEX® PAV with impregnation	Mechanical properties Minimum tensile strength (**)		Characteristics			
Production	At break MD	At break CD	Mass per unit area	Ø Roll diameter	Roll length (*)	Gross weigth of the roll
Norme	NF EN ISO 10319		NF EN ISO 9864	Standard width 5,3 m		
Unité	kN/m	kN/m	g/m²	cm	m	kg
50/50-40 AN	50	50	210	25	100	118
70/70-40 AN	70	70	285	27	100	158
100/100-40 N	100	100	360	30	100	198
200/200-40 N	200	200	620	36	100	335

MD = Machine Direction, CD = Cross Direction.
(*) Standard length. Other lengths available on request.
(**) Tensile strengths at break: minimum values guaranteed.
Extract from the standard range. Other references on request.

MADE IN FRANCE

CE 0334-CPR-0007

BENEFITS

- Reinforcing geocomposite for asphalt mixes, with high stiffness to limit deformation and cracking in the mix.
- High tensile strength.
- Optimum bonding with emulsion thanks to the non-woven polyester geotextile associated with the grid.
- Possibility of pre-impregnating the grid with polymer impregnation to limit the amount of modified emulsion required on site.
- Performances to extend the service life of road structures, validated by experience and laboratory tests.

Mechanism of action of geosynthetics on crack growth