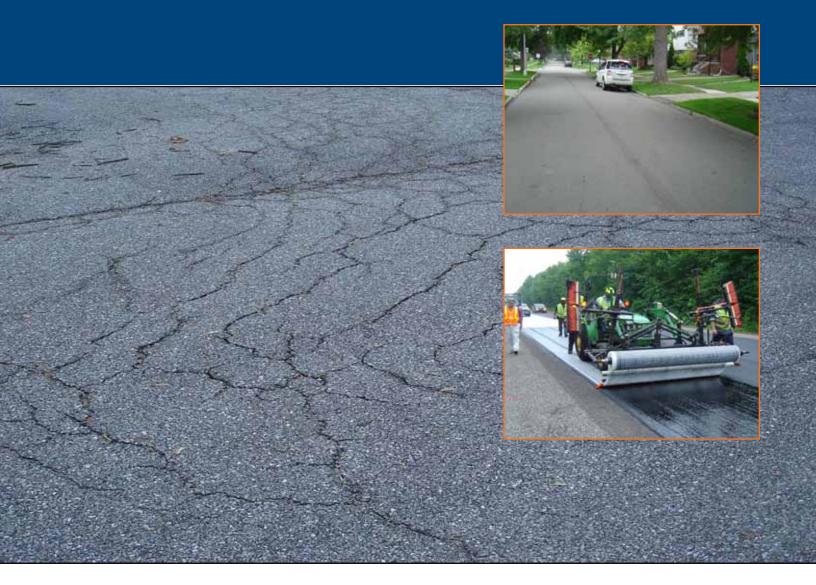


GEOSYNTHETICS

Pavement Solutions

Paving Interlayer Product Selection Guide





Pavement Solutions Features & Benefits

Pavement interlayers are materials or combinations of materials that can be placed within a pavement system during new construction, rehabilitation or preservation in conjunction with an overlay or surface treatment to extend pavement service life. Two key benefits of utilizing interlayers are to mitigate reflective cracking and reduce the amount of surface water that will penetrate into the pavement structure, increasing the life-cycle performance of the pavement. Interlayers can also provide stress and/or strain relief for the subsequent surface treatment because of the improved flexural strength of the materials from which they are made.

Pavement interlayers are designed and engineered using many different manufacturing processes. The most common interlayer that has been used successfully for over 40 years in the hot mix asphalt paving industry is polypropylene fabric. Other materials used in today's interlayer pavement manufacturing process incorporate the use of fiberglass, polyester or other synthetic materials to name a few. These materials can act independently or may be formed to create a composite material. These materials are manufactured to conform to nationally accepted specifications and requirements taking on many physical characteristics such as grids, nonwoven fabrics and or a combination of both.

It is with these performance features of the TenCate Mirafi[®] family of paving interlayer products that pavements can be made to last longer and deliver a smoother ride throughout the life of the pavement by reducing cracking and reducing life-cycle maintenance costs into the future. This concept of using a paving interlayer provides a cost effective approach to extending the life cycle performance for your pavement.

This guide is intended to provide a general overview of pavement distresses, their causes and the appropriate TenCate Mirafi® paving interlayer that can be selected for use in conjunction with your new hot mix asphalt overlay. This guide is not designed to be a stand alone document in the decision making process, and it should be noted that additional factors such as exposure to varying environmental conditions, traffic volumes, the existing structural section and existing pavement distresses must be taken into account to ensure the right interlayer is selected for the right pavement at the right time.

Features and Benefits	TenCate Paving Products											
	Mirafi [®] MPV						afi [®] FG & l	FGC	TruPave®	Mirafi [®]		
	400	500	600	700	MiraGreen [®] HD	FG 100	FGC100	FG200	Engineered Paving Mat	MTK		
SEALING	>	>	>	>	*		7		*	4		
STRESS RELIEF	>	>	>	>	4	>	*	>	4	~		
ADHESIVE BONDING	>	*	V	V	~		4		4	~		
REINFORCEMENT						4	*	4	4	4		

The family of TenCate Mirafi® paving interlayer products is specifically designed to work across the full spectrum of pavement defects, and it is recommended that you contact your local TenCate representative to discuss the appropriate restoration program when considering using an interlayer.



Sealing...Mirafi® paving materials will



BONDING

Adhesive Bonding... Mirafi® paving



Stress Relief...Mirafi® paving materials



Reinforcement...Mirafi ®paving

TenCate Mirafi [®] Interlayer Selection Based on Pavement Distress Type and Extent										
	Alli	gator Crac	king	and No	ongitudinal, n-Thermal se Cracking	Thermal Cracking			Moisture	
TenCate Interlayer	Load Related	Age Oxidation (low to medium)	Age Oxidation (medium to high)	Low to Medium (width <1/2)	High (>1/2")	Low {< 1/4"}	Medium (1/4'-1/2')	High (>1/2")	Protection	
Paving Fabric w/ Overlay (Mirafi [®] MPV)	N	E	G(1)	Œ	F(2)	G	F(2)	N	E(3)	
Paving Fabric with Chip Seal	N	E	G(1)	G	G(2)	F	N	N	E(3)	
Paving Mat	G	E	E(1)	E(2)	G(2)	E	G(2)	F(1,2)	E(3)	
Mirafi [®] FG Paving Grid	G	E(1)	E(1)	E(1)	E(1)	E	E(1,2)	E{1,2}	п/а	
FGC Paving Composite Grid	G	E	E(1)	E	E(2)	E	E(1,2)	E(1,2)	E(3)	
Mirafi [®] MTK Composite (Strip) Membranes	п/а	п/а	п/а	E	E(2)	E	E	G	E	

- Interlayer with leveling course first
- Interlayer with crack filling first
- (3) Interlayer dependent on asphalt tack application rate
- (N) not recommended
- (E) Excellent
- (G)-Good
- (F)-Fair
- n/a not applicable

TenCate™ develops and produces materials that increase performance, reduce costs and enable people to achieve what was once unachievable. Our goal is to contribute significantly to progress in the industries in which we work.



TenCate...Paving Materials That Make a Difference

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