



SAMiflex E HR

*High Binder Content Emulsion Series
Sustainability - Safety - Environment*



Member of the worldwide Colas Group



Australia

ENVIRONMENTALLY FRIENDLY SPRAYED SEALS

SAMiflex E HR Series are Polymer Modified Cationic Bitumen Emulsions for sprayed seal application and are used as an alternative to hot modified binders or conventional bitumen.

Polymer modification can be up to 7% and the residual binder content is normally in the range of 75% to 78%. Specific site requirements will determine the degree of polymer modification required.

PRODUCT RANGE AND SPECIFICATIONS

PRODUCT	AUSTROADS	QLD TMR
SAMiflex CRS HR (unmodified)	-	-
SAMiflex E30 HR	S10E	S0.25S
SAMiflex E40 HR	S15E	-
SAMiflex E50 HR	S20E	-
SAMiflex E60 HR	S25E	S4.5S
SAMiflex S35E HR	S35E	S0.3B

PERFORMANCE BENEFITS

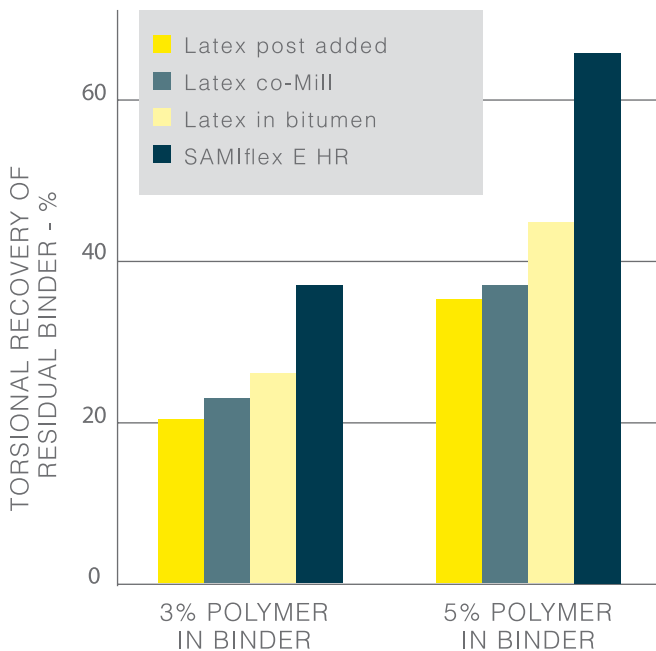
- OH & S / Environment - No Cutter (Kerosene)
- Energy savings - Sprayed at much lower temperatures compared to hot binders (85 to 95°C)
- Less sensitive to atmospheric conditions
- Allows high polymer modification
- Allows for higher residual binder application and less water to be transported
- Maximum adhesion through the wetting of the aggregate
- Less degradation of polymer
- Less likely to strip with slight drizzle or sudden change in temperature and weather conditions soon after application
- High Viscosity - No risk of run-off
- Faster breaking and setting
- Traffic opened quicker
- Homogenous residual binder in compliance with specifications as opposed to rubber latex emulsions
- Classified by the relevant authorities as being non-hazardous and non-dangerous products



APPLICATION

- New seals over properly prepared surfaces
- Reseals over pavements exhibiting surface cracking
- Pavements with high deflections
- Where waterproofing of surface is necessary
- As a Strain Alleviating Membrane (SAM), a Strain Alleviating Membrane Interlayer (SAMI) or a High Stress Seal (HSS)

SAMIFLEX E HR VS LATEX MODIFIED EMULSIONS



PRACTICAL BENEFITS

SAMiflex E HR emulsions have been used in many locations as the preferred product to satisfy specific requirements:

- Melbourne City Link Tunnel – to avoid the use of solvent for health, safety and environmental benefits
- Canberra, ACT and Phillip Island, Vic – for high polymer content sealing during winter
- Bathurst, NSW – to reduce aggregate stripping with high polymer content
- Campbelltown, NSW – for night time sealing work in order to avoid day time heavy traffic
- Lake Macquarie, NSW – for sealing in environmentally sensitive areas to eliminate solvent use
- Several locations in Vic – sealing in cold and damp conditions using wet aggregates
- Redland Shire, QLD – for high polymer modified binder sealing during winter
- Cooma-Monaro and Eden-Monaro, NSW – SAMiflex E50 HR being used each year on roads in these areas by Roads and Maritime Services





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