



SAMifalt Asphalt Grades

For longer life and resilience of pavements



Member of the worldwide Colas Group



Australia

PROVIDING HIGH RESISTANCE TO RUTTING AND FATIGUE

SAMIfalt Asphalt Grades are polymer modified binders that are specially formulated to improve the rut resistance and fatigue resistance of asphalt pavements.

SAMI Bitumen Technologies manufacture this range of modified binders in purpose built manufacturing plants that includes facilities for thermodynamic, mechanical treatment and chemical modification.

The asphalt mixes incorporating SAMIfalt Asphalt Grade binders are more resistant to oxidation than conventional mixes that use unmodified binders.

PRODUCT RANGE AND SPECIFICATION

BINDER	AUSTROADS GRADE	QLD TMR GRADE
SAMIfalt A10E	A10E	A10S
SAMIfalt A15E	A15E	A5S
SAMIfalt A20E	A20E	A0.6S
SAMIfalt A25E	A25E	A0.6B
SAMIfalt A35P	A35P	A2V

PERFORMANCE BENEFITS

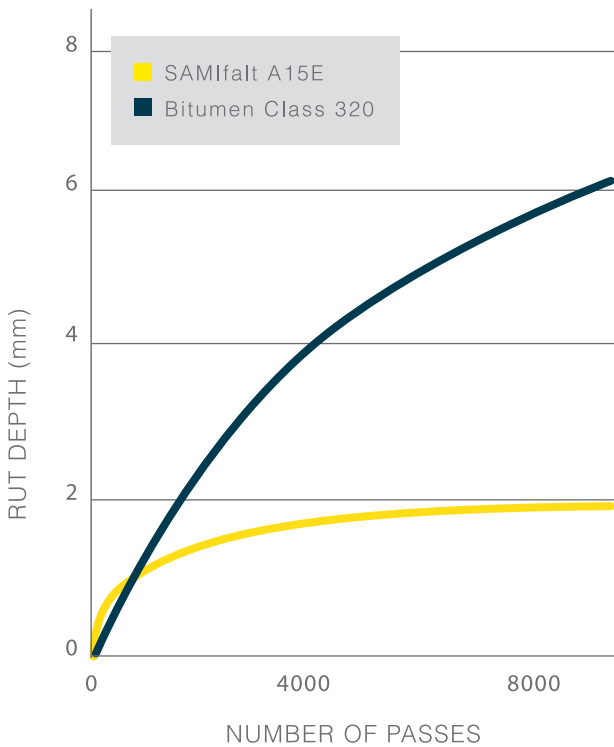
- Improved resistance to permanent deformation and creep deformation (shoving and rutting)
- High fatigue resistance translated into improved crack resistance
- Resistance to crack propagation (reflective cracking)
- Improved performance in higher and lower temperature regions; i.e., reduced temperature susceptibility;
- Increased resistance to stripping

APPLICATION

- Heavily trafficked and stressed pavements on main roads
- Approaches to intersections on main roads
- Overlays over existing concrete pavements
- Where road geometry limits the thickness of the asphalt overlay
- Pavements that experience large temperature extremes, day/night or seasonal
- Plastomeric binders such as SAMIfalt A35P, render the asphalt mix extreme resistance to deformation making it suitable for container terminals
- For open-graded asphalt mixes
- Thin-surfacing asphalt mixes



WHEEL TRACKING



*SAMIfalt A15E (in an SMA 10 mix)
Pacific Highway, Coopernook, NSW*

PRACTICAL BENEFITS

SAMIfalt Asphalt Grade Binders are widely used in asphalt applications where premium binders are demanded

- SAMIfalt A10E was preferred for its superior rut resistance for surfacing of Sydney Airport and Freeways in NSW
- SAMIfalt A15E Premium is the binder of choice for Main Roads, WA for all heavy duty asphalt projects
- SAMIfalt A15E was used in an SMA10 mix for its versatility on Pacific Hwy Project, Coopernook, NSW
- SAMIfalt A15E is the most preferred binder for open graded mixes and is used extensively on M2 and M5 Freeways, NSW





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