

PGXpand®

Bitumen-Friendly Polymeric-Additive



Paving Applications



Roofing Applications

PG 64-22 >> PG 76-22 or
PG 82-22

Improve the Performance Grade

SP 50 °C >> SP 70-100 °C

Increase the Softening Point

- Boost the high temperature paving grade of binder
- Improve rutting resistance
- Maintain low temperature performance
- Maintain low viscosity
- Improve workability
- Blend easily into bitumen

- Increase softening point
- Improve adhesion and tack
- Lower viscosity
- Maintain ductility
- Improve productivity
- Reduce SBS content
- Blend easily into bitumen

Improve the high temperature performance, softening point and rutting resistance, all while lowering costs. PGXpand is highly compatible with a wide range of bitumens from around the world.

Unique Polymeric-Additive for Every Challenge

PGXpand®, a bitumen-friendly polymer additive, is uniquely designed to allow Polymer Modified Bitumen (PMB) producers to boost the high temperature performance of the binder while maintaining low temperature properties. It minimizes SBS content, improves viscosity, supports higher filler loading, and provides better stability.

Achieve dramatic benefits with a simple low dosage of PGXpand. Lower energy consumption, reduce production and transportation costs, and improve workability. Expect better rutting resistance and fatigue properties.

PGXpand® Technical Data

Property	Typical Value	
Softening Point Range	135 to 145 °C	275 to 293 °F
Heating Loss	< 0.5%	
Acid Value	1 to 4 mg KOH/g	
Amine Value	0.2 to 4 mg KOH/g	

All values representative only.

Applications

Paving



- PMB for Hot Mixes
- Hybrid PMB
- High Stiffness Mixes
- Hot Spray Seal
- Repair & Maintenance

Roofing



- Self-adhered Membranes
- SBS Base & Cap Membranes

Boost High Temperature Performance Grade & Softening Point.
Deliver Excellent Rutting Resistance & Fatigue Properties.



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