



NORTHSTONE

QUARRY & ASPHALT DIVISION

Maxphalte® *Stone Mastic Asphalt (SMA)*



Maxphalte is Northstone's proprietary stone mastic asphalt surfacing based on German technology and experience where it has been used for well over 30 years.

The Right Surface

www.northstone-ni.com



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Maxphalte's unique properties derive from an interlocking high stone content skeleton bound together by a binder rich, heavy duty mortar, reinforced with SBS Co-polymer as the binder modifier. The resulting matrix offers greater deformation, fatigue and ageing-resistance compared to other asphalt surfacing materials.

Laid using a conventional paver, no pre-coated chippings are required and the one-stage process means that surfacing can be carried out quickly and safely with traffic disruption kept to a minimum.

Available in 10mm or 14mm nominal aggregate sizes, Maxphalte can be tailored to meet all skid-resistant requirements through a combination of a negatively textured surface and the use of high PSV aggregates. The resulting material provides a smooth, quiet running surface with excellent riding quality.

Maxphalte is:

- Durable – consists of high quality aggregates and binder rich mortar
- Deformation resistant – derived from interlocking stone skeleton
- Skid resistant – employs high PSV aggregates where specified
- Safe and quick to lay – minimises traffic disruption
- Quiet – generates up to 25% less tyre noise levels compared to hot rolled asphalt

Our Cariphalte TS grade is covered by BBA/HAPAS Certificate No. 03/H085 for Maxphalte 14mm Thin Surfacing System.

Technical Specification					
Product	Aggregate	Binder Content	Modifier	Nominal Thickness	Texture Depth
Maxphalte using Shell Cariphalte TS	0-10mm	5.1-6.1%	SBS (Styrene-Butadiene- Styrene synthetic rubber)	25-40mm	>1.3mm
	0-14mm	4.8-5.8%		35-50mm	>1.5mm

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