

Oxidised bitumen is a complex mixture of high molecular weight organic compounds made from special crude oil and is sold in bulk in tank containers or as slabs in bags.

Oxidised bitumen is produced by means of air, through a unique bitumen processing method which requires specific technical skills. That is why SIBA is one of only two companies in Italy that can perform this special process, whereby the residue is oxidized by air blowing while accurately controlling temperature.

This method causes bitumen properties to be modified, namely, acquiring lower penetration and higher viscosity.

Oxidised bitumen products have reduced thermal susceptibility and this makes them suitable for use in sectors other than roadwork, for example in electrical and hydraulic works. Moreover, the production of bituminous paint is based on oxidised bitumen.

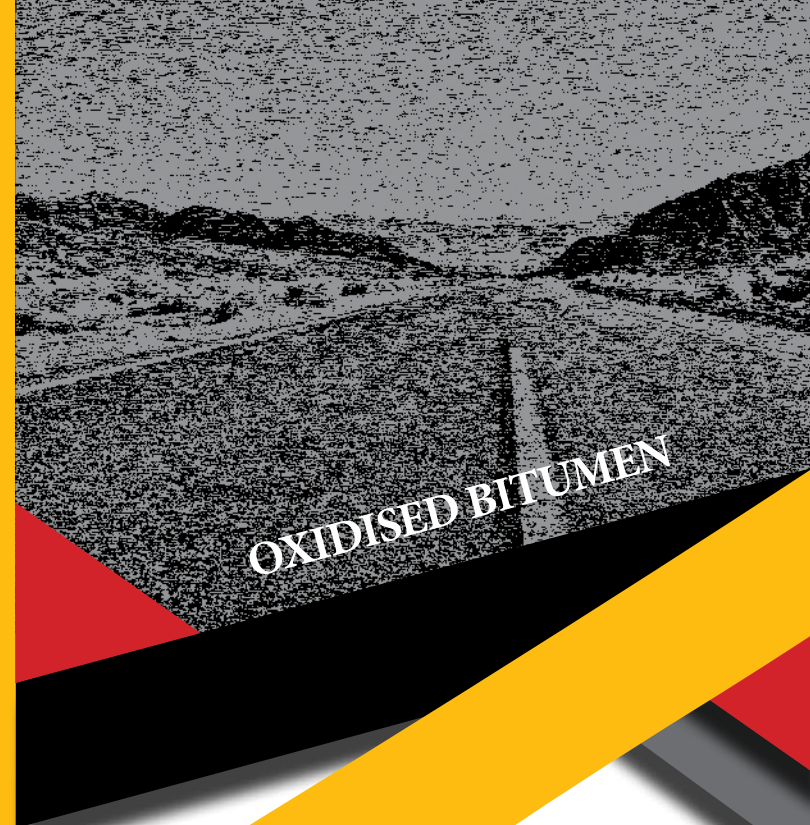


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ROAD & INDUSTRIAL BITUMEN



BUILDING CONSTRUCTION

insulation panel fixing, insulation system production, paint, mastic and sealant production.

INDUSTRY

protective coatings for metal and/or cement pipes, production of waterproof insulation panels, sound absorbing panels, special sound insulators, waterproof flooring, rubber plasticizers, protective coatings for tanks and containers.

ROAD

Laying of waterproofing asphalt coatings, coloured asphalt surfacing, plastic mixtures for special paving and mastic sealants.

SIBOX PACKAGING

- Tank container
- 24Kg slabs (approx. weight)
- Delivered on pallet

Technical Specifications

SIBOX®

PROPERTIES	STANDARD	UNIT	S.60	S.80	S.85/25	S.90	S.100	S.110	S.115/15	S.120	S.130	S.140
Ring and ball softening point	EN 1427	°C	55/65	75/85	80/90	85/95	95/105	100/110	10/120	115/125	130/140	140/145
DOW Penetration at 25 °C (100g5")	EN 1426	dmm	35/50	20/25	20/25	15/20	10/15	5/10	10/20	2/10	-	-
FRAASS breaking point	EN 1426	max °C	-12	-10	-10	-9	-6	-4	-5	-2	-	-
Solubility	EN 1426	%	≥99	≥99	≥99	≥99	≥99	≥99	≥99	≥99	≥99	≥99
V.A. Cleveland flash point	EN 1426	min °C	>250	>250	>250	>250	>250	>250	>250	>250	>250	>250
Loss in mass after heating	EN 1426	% max	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Variation of mass at 163 °C/5 hrs	EN 1426	%	0.10	0.10	0.15	0.10	0.10	0.10	0.10	0.15	0.10	0.10
Relative density at 25 °C	EN 1426	g/cm ³	1.01/1.03	1.01/1.03	1.01/1.03	1.01/1.03	1.02/1.04	1.02/1.04	1.01/1.05	1.03/1.05	1.04/1.06	1.05/1.07

The above data are only provided as a guide and not binding.