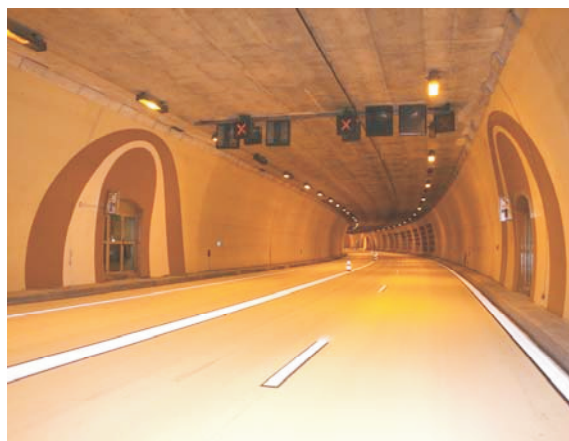




BITUCLAIR®

Translucent, colorable synthetic binder



BITUCLAIR is a synthetic binder that remains translucent when applied in thin layers and takes on a honey-colored tint in thicker layers. It is manufactured with base products that do not contain asphaltene, the molecule that makes conventional bitumen black.

BITUCLAIR binder can be colored in any shade or hue.

The rheological characteristics of **BITUCLAIR** are analogous to conventional bitumen binders with equivalent penetration. **BITUCLAIR** can be used to make a wide variety of colored bituminous surfacing in shades that can vary in accordance with mix designs. It can also be employed in a great number of surfacing applications.

BITUCLAIR is available in **EN LT format**, which means that the mix is manufactured and applied at temperatures that are 20 to 40 C lower than conventional hot mix, when applied mechanically.

Bituclair-based products are manufactured and applied just like their conventional bitumen counterparts. However, special care is to be taken throughout the process to avoid any parasite coloration of **BITUCLAIR** products.

Type of BITUCLAIR	Fields of use
BITUCLAIR EN LT BITUCLAIR ES	Colored mixes for highways, roads, tunnels, bike paths, parking lots and sidewalks
BITUCLAIR 15/25 A	Colored mastic asphalt
BITUCLAIR 70/100 E	For surface dressings, microsurfacing

PACKAGING

	Bulk 20 et 25 tonnes	Box of twenty slabs, 1 kg each	20 kg box of	190 kg drum
BITUCLAIR ES	X			
BITUCLAIR EN LT	X	X		
BITUCLAIR 15/25 A	X		X	
BITUCLAIR 70/100 E	X			



BITUCLAIR

Characteristics	Standard ref.	BITUCLAIR	BITUCLAIR	BITUCLAIR	BITUCLAIR
		15/25A	70/100 E	EN LT	ES
Penetration at 25 C (1/10mm)	EN 1426	15/25	70/100	40/60	35/50
Ring and Ball temperature (C) Typical value	EN 1427	92	42	58	58
Fraass Point in C Typical value type	EN 12 593	- 4	- 16	- 14	- 18
Elastic recovery at 10 C (%)	NF T 66 040	–	–	> 60	80
Storage stability: tube test, 3 days at 160 C. - in C - Penetration (0.1mm)	PR EN 13 399 EN 1427 EN 1426	< 3 < 5	< 3 < 5	< 3 < 5	< 3 < 5
- Ring and ball after RTFOT in C - % penetration after RTFOT	NF EN 12607-1	< 2 > 70	< 2 > 70	< 2 > 70	< 2 > 70
Relative density at 25 C	EN 3838	0.97/1.03	0.97/1.03	0.97/1.03	0.97/1.03
Flash point (open vessel) (C)	EN 2592	> 230	> 230	> 230	> 230
Minimum pumpability temperature (C)		-	100	110	145
Coating temperature (C)		-	-	160	180

Other grades are available on order for specific needs.

To check availability:

Modified and synthetic binders
HINDUSTAN COLAS PRIVATE LIMITED

A JV OF HINDUSTAN PETROLEUM CORPORATION LTD. & COLAS SA, FRANCE

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