

Datasheet:

Mandurax® Brite

Date: 26-07-04

Mandurax Brite is the ultimate antiskid/antiwear aggregate based on molten synthetic minerals.

Mandurax Brite can be used as aggregate with any binder such as cement, asphalt or resin.

Mandurax Brite is used for wear/skid resistant toplayers and coatings.

Mandurax Brite is a cubic/angular grain with a very rough surface. This surface ensures very strong adhesion between aggregate, binder and substrate resulting in excellent grip and skid resistance for tyres and footwear.

Mandurax Brite is different from other aggregates due to its hardness combined with toughness. The material is not friable and has high wear resistance.

Mandurax Brite is suitable for use in high duty floors and with wear resistant coatings in areas such as:

- Loading platforms
- Parking decks
- Warehouses
- Industrial flooring
- Flyovers
- Bridges
- Pedestrian walkways
- Cycle tracks/lanes
- Airports
- etc.

Its light colour provides high light reflection.

Mandurax Brite is resistant to ageing and is unaffected by dilute acids, alkaloids, oils, fuel or grease.

Mandurax Brite is environmental friendly and permitted as building material class 1.

Mandurax Brite is commonly used in grain sizes ranging from 0.3-5 mm. The following standard grain sizes are available:

0,3 - 0,8	mm
1 - 2	mm
2 - 3	mm
3 - 5	mm

Any other sizes between 0 and 10 mm can be supplied on special demand.

Mandurax Brite is packed:

25 kg	- polypropylene/polyethylene bags on one way pallets
1000 kg	- Big Bags
Loose in bulk	- in silo or tipper truck

Chemical Analysis:

CaO	abt . 45%
Al ₂ O ₃	abt. 8%
SiO ₂	abt. 36%
MgO	abt. 11%

Physical Analysis

Colour:	Light grey
Hardness (Mohs):	abt. 8
Specific gravity:	abt. 2.5 grams/ cc
Bulk density	1.5 grams/cc (1-3mm)

Miscellaneous test results:

Polished Stone Value	EN1097-8:2000	60
Los Angeles Test	EN1097-2:1998	15
Resistance to fragmentation		
Micro Deval Wet	EN1097-1 :1996	9
Resistance to wear		
Abrasion resistance AAV	BS812-113:1990	3,6
Impact resistance AIV	BS812-112:1990	8
Crushing resistance ACV	BS812-110:1990	16

Notice:

- All information is based on data known the date of this publication. This datasheet is a non administrated copy which is not automatically renewed.
- The chemical analysis is based on the raw material received. Further maximum and minimum values can be discussed on demand. Please contact the sales department.
- There is no guarantee for the end use of the product as conditions for use are outside our control.