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Data Sheet:



MANDURAX is the **ideal hard material** based on natural aluminium oxide (corundum).

MANDURAX, as an additive combines with almost **all bonding materials** such as cement or resins.

MANDURAX is used in the manufacture of **wear-resistant and antiskid** surfaces and coatings.

MANDURAX has a **cubical, polygonal grain** with a very **rough surface**.

Thanks to its rough surface, it meshes firmly with the bonding material and the grain provides excellent adhesion (good grip) for vehicle grips or shoe soles: **high antiskid characteristics**.

The grains of MANDURAX are very hard and tough and are therefore not brittle (!) like other hard additives: **high abrasion and wear resistance**.

MANDURAX is suitable for use in all **highly stressed floors** such as loading ramps, multi-storey car parks, warehouse and hall floors, overbridges and subways, bridges and landing decks, in **wear-resistant coatings** and in many other applications.

MANDURAX is to a large extent chemically inert, highly weather resistant and is not affected by diluted acids, alkalis, oils, petrol or grease.

MANDURAX is harmless to the environment.

MANDURAX is mostly used in grain sizes between 0.3 and 5 mm. The following **standard grain sizes** are available:

0.5 - 0.8 mm	0.3 - 2.4 mm
1 - 2 mm	2 - 3 mm
1.7 - 2.5 mm	3 - 5 mm

Other grain sizes and mixtures between 0 and 30 mm can also be supplied on request.



MANDURAX is available in the following **packing sizes**:

25 kg	- Plastic bags on one-way pallets
50 kg	- Plastic bags on one-way pallets
1000 kg	- Big Bags
lose	- in Tipper trucks or silo lorries

Chemical composition:

Al ₂ O ₃	(aluminium oxide)	approx.	65 %
Fe ₂ O ₃	(ferrous oxide)	approx.	26 %
TiO ₂	(titanium oxide)	approx.	3 %
SiO ₂	(silicon oxide)	approx.	5 %
LOI	(annealing loss)	approx.	3 %

Physical properties:

Colour:	Dark grey
Hardness (as per Mohs' scale):	approx. 8.5
Specific gravity:	approx. 3.85 g / ml

Please note:

- All the information is based on data that was available on the date of publication. This Data Sheet is not a managed copy and is not replaced automatically.
- The chemical information is based on analysis of raw materials received. Other guarantees of minimum and maximum value can be provided on request. Please enquire with our Sales department.
- No guarantee is given for the application of the product, since the usage conditions are outside our scope of control.