



1<sup>st</sup> Edition: 01-03-01

Revision No. 1

Data Sheet:

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

**MANKEY**, as an additive combines with almost all bonding materials such as (sorel) cement or resins.

**MANKEY** 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.

The grains of **MANKEY** are very hard and tough. Because of its solid structure it is not brittle (!) like other hard additives. Therefore it has high abrasion and wear resistance.

**MANKEY** is suitable for use in rice mills as a dehusking and polishing agent.

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

**MANKEY** is harmless to the environment.

**MANKEY** is mostly used in grain sizes between Nr. 12 and Nr. 30. Other sizes are also available on request.

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

25 kg – Polypropylene bags  
50 kg – Polypropylene bags  
50 kg – Double white cotton bags  
1000 kg - Big Bags

Every bag is closed by double steel clips.

Chemical composition:

Al<sub>2</sub>O<sub>3</sub> (aluminium oxide) approx. 65 %  
Fe<sub>2</sub>O<sub>3</sub> (ferrous oxide) approx. 26 %  
TiO<sub>2</sub> (titanium oxide) approx. 3 %  
SiO<sub>2</sub> (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

**Rice Mill Number Specifications**

Grain Number	Size in mm
10	1,7 – 2,5
12	1,0 – 2,0
14	0,8 – 1,7
16	0,6 – 1,4
18	0,5 – 1,0
20	0,3 – 0,8
25	0,2 – 0,8
30	0,2 – 0,6

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 mini-mum 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.