

Advanced Materials**RenShape[®] BM 6300**BOARD MATERIAL
MODELLING BOARD**KEY
PROPERTIES**

- **Good surface structure**
- **Easily shaped and machined**
- **Low coefficient of thermal expansion, good dimensional stability**

APPLICATIONS

- Master models
- Cubing models
- Patterns

PRODUCT DATA

Product	Colour	Test method
RenShape [®] BM 6300	Mokka	visual

PROPERTIES

Density	ISO 1183	g/cm ³	0.55 – 0.65
Hardness	ISO 868	Shore D	45 - 55
Coefficient of thermal expansion	ISO 11359	10 ⁻⁶ k ⁻¹	50 - 55
Deflection temperature	ISO 75	°C	75 - 80
Compressive strength	ISO 604	MPa	15 - 20
Flexural strength	ISO 178	MPa	20 - 25

BONDING

System		RenPaste™ SV 427-2 Ren® HY 5162	RenPaste™ SV 427-2 Ren® HV 2419	RenCast® FC 52 A/B
Appearance	visual	Brown	Brown	Light beige
Mix ratio	Parts by weight	100 : 35	100 : 30	100 : 100
Pot life at 25°C	min	20	15	4 - 5
Clamping time	h	12	10	3 - 5
Notes		Gap filling		

REPAIR

System		XW 5129 XW 5130	XW 5184 XW 5130
Appearance	visual	Brown	Brown
Mix ratio	Parts by weight	100 : 1-3	100 : 1-3
Pot life at 25°C	min	4 - 6	4 - 6
Cure time	min	25 - 30	25 - 30
Notes		Used mainly as a repair filler	Used mainly as a fine filler to achieve an extra smooth surface finish

MILLING

Milling parameter available on request.

STORAGE

Provided that RenShape® BM 6300 is stored in a dry place in their original, properly closed containers at the storage temperatures mentioned in the MSDS they will have the shelf lives indicated on the labels. Partly emptied containers should be closed immediately after use.

WORKING CONDITIONS

The product should be used when in the temperature range 20° to 25°C.

PACKAGING

Dimensions (mm)	Volume (l)	Weight (kg)	Number of Boards (per pack)	Number of Boards (per pallet)
1500 x 500 x 50	37.5	22 - 24	2	32
1500 x 500 x 75	56.25	33 - 36	1	16
1500 x 500 x 100	75	44 - 48	1	16
1500 x 500 x 150	112.5	66 - 72	1	8

HANDLING PRECAUTIONS**Caution**

Our products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. These precautions are described in greater detail in the Material Safety Data sheets for the individual products and should be referred to for fuller information.

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