

Board Material

RenShape[®] BM 5030

Low density styling and modelling board

Key properties

- Very good surface structure
- Good machinability

Applications

- Styling
- Master Models and Data Control Models

Product data

Product	Colour	Test method
RenShape BM 5030	Sienna	visual

Properties

Density	ISO 1183	g/cm ³	0.3
Coefficient of thermal expansion	ISO 11359	10 ⁻⁶ k ⁻¹	60 - 65
Deflection temperature	ISO 75	°C	60 - 70
Compressive strength	ISO 604	MPa	6 - 8
Compressive modulus	ISO 604	MPa	250 - 300
Flexural strength	ISO 178	MPa	6 - 8

Bonding

System		RenCast® FC 52 A/B	XD 4611 XD 4613
Appearance	visual	transparent	apricot
Mix ratio	Parts by weight	100 : 100	100 : 50
Pot life at 25°C	min	ca. 5	70
Clamping time	h	2 - 3	9 - 10

Repair

System		XW 5184 XW 5130	XD 4611 XD 4612
Appearance	visual	brown	apricot
Mix ratio	Parts by weight	100 : 1-3	100 : 20
Pot life at 25°C	min	4 - 6	5-6
Cure time	min	25 - 30	app. 30
Notes		Used mainly as a fine filler to achieve an extra smooth surface finish.	

Milling

Milling parameter available on request.

Storage

Board material may be stored flat in original cartons at 2° to 40°C in a dry area. Temperature variations should be avoided when transporting and storing board material.

Working conditions

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

Packaging

Dimensions	Volume (l)	Weight (kg)	Number of Boards (per pack)	Number of Boards (per pallet)
1500 x 500 x 100	75	22.5	1	16
1500 x 500 x 200	150	45	1	8
2000 x 500 x 100	100	30	1	16

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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