

Advanced Materials**XD 4601-1 A / XD 4601-1 B**

MODELLING PASTE
LOW DENSITY, MACHINE APPLIED PASTE

KEY PROPERTIES	Cured density ca. 0.55 Easy to cut using power or hand tools Application in layers up to 30mm, further layers possible Room temperature curing, and machinable in 1 to 2 days
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APPLICATIONS - **Styling models**

PRODUCT DATA

Property	Unit	XD 4601-1 A	XD 4601-1 B
Appearance Colour	visual	Light brown paste	Off-white paste
Density	g/cm ³	0.47 – 0.52	0.47 – 0.52

PROCESSING

Mix ratio	Parts by weight	Parts by volume
XD 4601-1 A	100	100
XD 4601-1 B	100	100

XD 4601 A/B is designed for application by purpose built equipment, such as the Tartler Nodopox.
RenShape[®] Solutions can advise with the selection of suitable equipment.

**TYPICAL
PROPERTIES**

Resin/Hardener mix:	Volume	Unit	XD 4601-1 A/B
Appearance			Light brown
Pot life at 25°C	(1000 ml)	min	40
Max. Layer thickness		mm	30
Machinable after		h	24 /36

After cure: 3 days @ Room Temperature

Density	ISO 1183	g/cm ³	0.52 – 0.57
Hardness	ISO 868	Shore D	40
Coefficient of thermal expansion	ISO 11359	10 ⁻⁶ k ⁻¹	106
Deflection temperature	ISO 75 A	°C	45-50
Compressive strength	ISO 604	MPa	8
Compressive modulus	ISO 604	MPa	350
Flexural strength	ISO 178	MPa	6.5
Linear shrinkage		mm/m	1

STORAGE

The resin and hardeners described in this instruction sheet have the shelf lives shown, provided they are stored at 18 - 25oC in a dry place and in sealed containers, preferably those in which they are supplied.

PACKAGING

System	XD 4601 A	XD 4601 B
Pack size Kg	20 and 75	20 and 75

**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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