



TECHNICAL DATA SHEET

SK2TM60-1

Polyurethane board for master models

► DESCRIPTION

SK2TM60-1 is a polyurethane board designed for production of patterns, mock-ups, prototypes and masters by milling or machining by hand.

► PROPERTIES

- Non porous material
- Excellent surface aspect (direct paint after sanding)
- Very good dimensional stability
- Machining by hand or by machine with wood cutting tools or aluminium cutting tools.



PHYSICAL PROPERTIES ¹		
Colour		Pink
Density at 23°C	ISO 2781 : 1996	0,45

MECHANICAL AND HEAT PROPERTIES AT 23°C			
Hardness	ISO 868 : 2003	Shore D1	47
Coefficient of thermal expansion (CTE) (+25° to +70°C)	ISO 11359 : 1999	10 ⁻⁶ .K ⁻¹	75
Glass temperature transition	ISO 11359 : 2002	°C	70
Compressive yield strength	ISO 604 : 2002	MPa	28

¹ Average values obtained on slabs

► ASSEMBLY / FINISH

Polyurethane boards can be bonded with SK2TM75-5.
Small surfaces bonding and finishing: SK2TM75-6.



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► SAFETY PRECAUTIONS

Normal health and safety precautions should be observed when handling this product:

- ensure good ventilation
- wear gloves and safety glasses
- do not smoke when machining

For further information, please consult the product safety data sheet.

MACHINING PARAMETERS ²		
	Cut speed (Cs in m/min)	Speed per rotation for 1 tooth (mm/tr)
Rough shape	100 at 500	0.15 at 0.90
Finish	400 at 800	0.07 at 0.10

² Parameters defined with tools with angle of cutting and angle of taper higher than zero.

► DIMENSIONS

Unit	Length	Width	Thickness
SK2TM60-1	1500mm	500mm	50mm
	1500mm	500mm	75mm
	1500mm	500mm	100mm

► STORAGE

Storage conditions: it is recommended to store at temperature from -20°C until +30°C in the original packing.



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► **GUARANTEE**

The information of our technical data sheet is based on our present knowledge and the result of tests conducted under precise conditions. It is the responsibility of the user to determine the suitability of the products, under their own conditions before commencing with the proposed application. We refuse any guarantee about the compatibility of a product with any particular application. We disclaim all responsibility for damage from any incident, which results from the use of these products. The guarantee conditions are regulated by our general sale conditions.