



# TECHNICAL DATA SHEET

## SK2TM80-4

### Polyurethane board for master models

#### ► DESCRIPTION

SK2TM80-4 – is a polyurethane board designed for making model-masters, tools, molds, core boxes, foundry patterns and pattern plates.

#### ► PROPERTIES

- low coefficient of linear expansion
- high abrasion resistance
- fine structure
- well workable

PHYSICAL PROPERTIES			
Color	Green		
Density at 20°C	ca. 1,46 g/cm <sup>3</sup>		
TECNICAL SPECIFICATIONS			
Flexural strength	EN ISO 178	MPa	Not less than 80
Compressive strength	EN ISO 604	MPa	Not less than 80
Deflection temperature (HDT)	DIN EN ISO 75 B	°C	Not less than 80
Shore hardness	DIN ISO 7619-1	Shore D	85
Coefficient of thermal expansion	20 – 50°C, internal test / dilatometer	10 <sup>-6</sup> K <sup>-1</sup>	ca. 69

#### ► PROCESSING INSTRUCTIONS

Advices for machining of board material

- Making even of milling support
- Roughing of geometry
- Removing of clamps, if possible over night
- Clamping
- Finishing

Milling parameters available.



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#### ► HANDLING PRECAUTIONS

SK2TM80-4 material is a cured filled polyaddition product, no hazardous dusts when grinding. According to regulations for hazardous goods SK2TM80-4 boards don't have to be marked during transport and storage. Small quantities can be disposed as domestic waste. For big quantities, please contact your local authorities.

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

#### ► STORAGE

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

#### ► DIMENSIONS

Unit	Length	Width	Thickness
SK2TM80-4	1000mm	500mm	30mm
	1000mm	500mm	50mm
	1000mm	500mm	75mm
	1000mm	500mm	100mm

*Dimension tolerances of 3 mm in length and width and 0,5 mm in thickness are possible. Please contact us for other dimensions.*

#### ► 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.