



TECHNICAL DATA SHEET

SK2TM80-8

Polyurethane board for master models

► DESCRIPTION

SK2TM80-8 – is a polyurethane board designed for making of master models and pattern plates. It does not contain any abrasive fillers and can be milled without the formation of any dust.

► PROPERTIES

- High quality surface
- Good edge strength
- Dense surface
- Low tension
- Very low generation of dust during machining
- Low thermal expansion

► ADVANTAGES:

- Dense structure
- High impact strength
- Low coefficient of linear expansion

► APPLICATIONS

- Master models
- Foundry pattern
- fixtures
- Bath models for galvanic tools
- Pattern plates
- Construction- and maintenance gauges

PHYSICAL PROPERTIES	
Colour	Green
Density at 20°C	1,22 g/cm ³

TECHNICAL SPECIFICATIONS			
Hardness	DIN ISO 868	Shore D	85
Compressive strength	EN ISO 604	MPa	95
Heat resistance (HDT)	DIN EN ISO 75 B	°C	80
Coefficient of linear expansion	ISO 11359	10 ⁻⁶ K ⁻¹	87
Wear jet test	Internal tests	W(V/t)[mm ³ /min]	91
Flexural strength	EN ISO 178	MPa	110



TECHNICAL DATA SHEET

SK2TM80-8

Polyurethane board for master models

► 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 are available.

► HANDLING PRECAUTIONS

Basic safety precautions should be met when handling the product:

- ensure good room ventilation
- wear gloves, goggles and protective clothing
- do not smoke during processing.

For more information please see 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
SK2TM80-8	1000mm	500mm	30mm
	1000mm	500mm	50mm
	1000mm	500mm	75mm
	1000mm	500mm	100mm

Dimension tolerances of 1% are possible.
Please contact us for other dimensions.



TECHNICAL DATA SHEET

SK2TM80-8

Polyurethane board for master models

► **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.