



BUILDING TRUST



# LABELITE 25 YW

Technical Data Sheet  
MACHINABLE POLYURETHANE FOAM BOARD  
Density 15.6 lbs/ft<sup>3</sup>

## DESCRIPTION

Homogenous polyurethane foam board used in various modeling applications: proof cut of CNC milling software program, mock-ups, design or styling works, core support for large dimension models (clay, epoxy/PU pastes or wet lay-up FRP).

## PROPERTIES

- Good edge resistance
- Excellent dimensional stability
- Superb smooth surface aspect after milling
- Little powdery residue, not readily friable

PHYSICAL PROPERTIES			
Composition		Polyurethane foam	
Color		Peach yellow	
Specific gravity at 77°F (25°C)	lbs/ft <sup>3</sup> (g/cc)	ISO 845	15.6 (.25)

MECHANICAL PROPERTIES at 74°F (23°C)			
Hardness	ISO 868 : 2003	Shore D	25
Flexural strength	ISO 178 : 2010	psi (MPa)	782 (5.4)
Compressive strength at yield	ISO 604 : 2002	psi (MPa)	551 (3.8)

THERMAL AND SPECIFIC PROPERTIES			
Glass transition temperature (Tg)	ISO 11359-2 : 1999	°F (°C)	167 (75)
Coefficient of thermal expansion (CTE) 50°F to 176°F (+10°C to +80°C)	ISO 11359-2 : 1999	10 <sup>-6</sup> F <sup>-1</sup> (10 <sup>-6</sup> C <sup>-1</sup> )	33 (60)

## ASSEMBLY / FINISH

LABELITE 25 YW boards can be bonded with EA-001 adhesive.

<b>SikaAxson US</b> +1 248 588 2270 <a href="mailto:axsonmh@axson.com">axsonmh@axson.com</a> <a href="http://sikaaxson.us">sikaaxson.us</a>	<b>CHINA</b> +86 21 58 68 30 37 <a href="mailto:marketing.china@axson.com">marketing.china@axson.com</a> <b>MEXICO</b> +52 55 52 64 49 22 <a href="mailto:marketing@axson.com.mx">marketing@axson.com.mx</a>	<b>FRANCE</b> +33 1 34 40 34 60 <a href="mailto:axson@axson.com">axson@axson.com</a> <b>SLOVAKIA</b> +42 1 76 42 25 26 <a href="mailto:axson.sk@axson.com">axson.sk@axson.com</a>	<b>INDIA</b> +91 20 25 56 07 10-11 <a href="mailto:info.india@axson.com">info.india@axson.com</a> <b>SPAIN</b> +34 9 32 25 16 20 <a href="mailto:spain@axson.com">spain@axson.com</a>	<b>ITALY</b> +39 02 96 70 23 36 <a href="mailto:axson@axson.it">axson@axson.it</a> <b>U.K.</b> +44 16 38 66 00 62 <a href="mailto:sales.uk@axson.com">sales.uk@axson.com</a>	<b>JAPAN</b> +81 5 64 26 25 91 <a href="mailto:sales.japan@axson.com">sales.japan@axson.com</a>	<b>SIKA GERMANY – SikaAxson</b> +49 7125 940 492 <a href="mailto:tooling@de.sika.com">tooling@de.sika.com</a> <a href="http://sikaaxson.de">sikaaxson.de</a>
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## HANDLING PRECAUTIONS

Normal health and safety precautions should be observed when handling these products :

- Ensure good ventilation
- Wear gloves, safety glasses and waterproof clothes

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

## STORAGE CONDITIONS

The boards must be stored flat in a dry place protected from extremes of temperature.

## GUARANTEE

The information contained in this technical data sheet results from research and tests conducted in our laboratories under precise conditions. Seller cannot anticipate all conditions under which seller's products, or the products of other manufacturers in combination with seller's products, may be used. It is the responsibility of the user to determine the suitability of the SikaAxson's products, under their own conditions, before commencing with the proposed application. In no event shall SikaAxson US be liable for any direct, indirect, punitive, incidental, special, and/or consequential damages, to property or life, whatsoever arising out of or connected with the use or misuse of our products.

<p><b>SikaAxson US</b> +1 248 588 2270 axsonmh@axson.com sikaaxson.us</p>	<p><b>CHINA</b> +86 21 58 68 30 37 marketing.china@axson.com</p> <p><b>MEXICO</b> +52 55 52 64 49 22 marketing@axson.com.mx</p>	<p><b>FRANCE</b> +33 1 34 40 34 60 axson@axson.com</p> <p><b>SLOVAKIA</b> +42 1 76 42 25 26 axson.sk@axson.com</p>	<p><b>INDIA</b> +91 20 25 56 07 10-11 info.india@axson.com</p> <p><b>SPAIN</b> +34 9 32 25 16 20 spain@axson.com</p>	<p><b>ITALY</b> +39 02 96 70 23 36 axson@axson.it</p> <p><b>U.K.</b> +44 16 38 66 00 62 sales.uk@axson.com</p>	<p><b>JAPAN</b> +81 5 64 26 25 91 sales.japan@axson.com</p>	<p><b>SIKA GERMANY – SikaAxson</b> +49 7125 940 492 tooling@de.sika.com sikaaxson.de</p>
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