

# STAMAX™ STADECK™ SC552RS85

## PRODUCT DATASHEET

### DESCRIPTION

STADECK™ is a new heavy-duty panel based on long glass fibre reinforced Polypropylene which could serve as scaffolding panel, frame work, sheathing, gardening, fencing etc. The STADECK™ heavy duty panel is approved and certified for use in scaffolding applications according NEN-EN 12811-1, replacing traditional scaffold panels with more sustainable and a lighter polymer solution. STADECK™ heavy-duty panels offers a weight of only one third of standard wooden planks, which is highly beneficial in handling and the total weight of a construction. Besides the outstanding lightweight advantages, STADECK™ panels offer a remarkable strength, long-term weather- and chemical resistance and anti-slip properties.

### TYPICAL PROPERTY VALUES

PROPERTY	TEST METHOD	UNITS	VALUE
<b>PHYSICAL</b>			
Weight/m <sup>2</sup>	ISO 1183	kg/m <sup>2</sup>	8.50
<b>MECHANICAL</b>			
Permanent load 1 hour	EN12810-1&2	6 kN/ m <sup>2</sup>	deformation < 1%
Concentrated load 500mm-500mm for 1 hour	EN12810-1&2	3 kN	deformation < 1%
Concentrated load 200mm-200mm for 1 hour	EN12810-1&2	1 kN	deformation < 1%
Partial load 1 hour	EN12810-1&2	10 kN/ m <sup>2</sup>	deformation < 25mm
Safety Margin 1 hour	EN12810-1&2	30 kN/ m <sup>2</sup>	No visual effects
Horizontal load 300mm-300mm Side board 1 hour	EN12810-1&2	0.15 kN	No visual effects
Horizontal load 300mm-300mm Fence board 1 hour	EN12810-1&2	0.30 kN	No visual effects
Creep behaviour 500mm-500mm 1 hour	EN12810-1&2	3kN	No visual effects
<i>NOTE: All loads are tested on a span of 1300mm</i>			
<b>IMPACT</b>			
Charpy impact, notched 23°C, 3.0 mm	ISO 179/1eA	kJ/m <sup>2</sup>	75
Izod impact, unnotched 23°C, 3.0 mm	ISO 180/1U	kJ/m <sup>2</sup>	NB
Izod impact, notched 23°C, 3.0 mm	ISO 180/1A	kJ/m <sup>2</sup>	70
<b>THERMAL</b>			
Heat deflection temperature at 1.80 MPa (HDT/A)	ISO 75/A	°C	156
Coefficient of linear thermal expansion -30 °C to 30 °C	ASTM D696	µm/mK	51
23 °C to 80 °C	ASTM D696	µm/mK	41
Durability : UV aging 3000 hours 60-60mm T=65± 2°C, RH= 50±5% and dry/wet cycle of 102/18min	EN-ISO 4892-2 / EN-ISO 6603-2	Xenon test	Pass
<b>FIRE RATINGS</b>			
<b>Building &amp; Construction</b>			
Europe		-	
Flammability class	EN 11925	-	E <sub>1</sub> d0
Horizontal burn (measured on injection molded parts)	UL94 HB	-	HB
<b>Electrical</b>			
Glow Wire Flammability Index (measured on injection molded parts)	IEC-60695-2-12	°C	Pass 850°C (2-3mm)

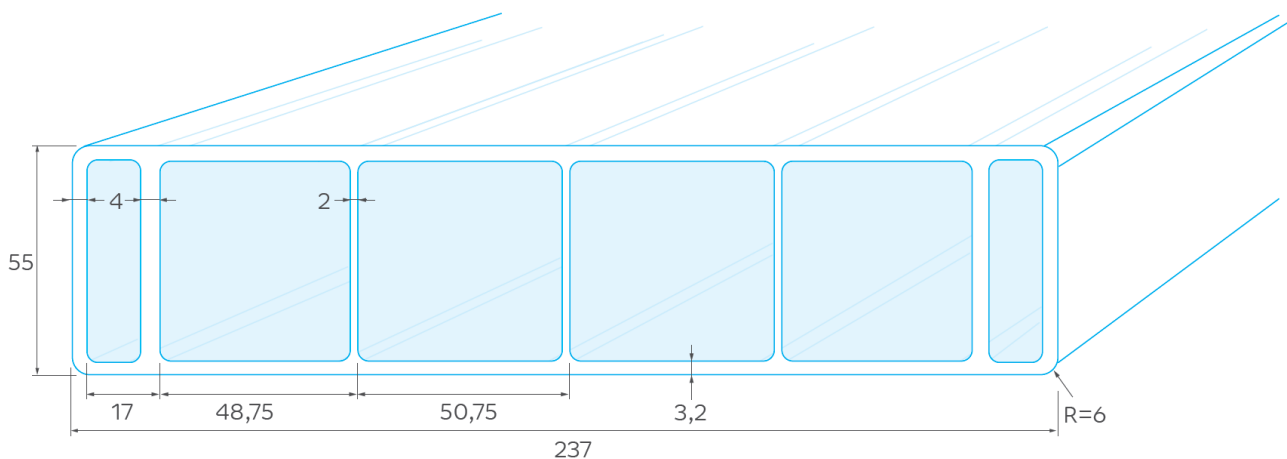
- ◆ These property values have been derived from resin data for the material used to produce this sheet product. Variation within normal tolerances are possible for various colors. These typical values are not intended for specification purposes. If minimum certifiable properties are required please contact your local SABIC, Specialty Film & Sheet representative. All values are measured at least after 48 hours storage at 23°C/50% relative humidity. All properties are measured on injection-molded samples. All samples are prepared according ISO 294.

## PRODUCT AVAILABILITY

STADECK™ SC552RS85 (description Chris):

Gauge : 55mm  
 Standard Sizes : Width: 237mm,  
 Available lengths: 3000 and 6000, other lengths on request  
 Standard Color : Translucent Whitish

## Drawing STADECK™ SC552RS85



## CONTACT US:

### SABIC CORPORATE HEADQUARTERS

PO Box 5101  
 Riyadh 11422  
 Saudi Arabia  
 T +966 (0) 1 225 8000  
 F +966 (0) 1 225 9000  
 E info@sabic.com

### Email

sfs.info@sabic.com

### Americas

SABIC  
 Functional Forms  
 2500 City West Boulevard  
 Suite 100  
 Houston, TX 77042  
 USA  
 Toll-free (800) 323 3783  
 F (888) 443 2033  
 E spinside.sales@sabic.com

### Europe

SABIC  
 Functional Forms  
 Plasticslaan 1  
 4612 PX  
 Bergen op Zoom  
 The Netherlands  
 T +31 164 293684  
 F +31 164 292272  
 E sfs.info@sabic.com

### Asia Pacific

SABIC  
 Functional Forms  
 2550 Xiupu Road  
 Pudong  
 201319 Shanghai  
 China  
 T +86 21 3222 4500  
 F +86 21 6289 8998

DISCLAIMER: THE MATERIALS, PRODUCTS AND SERVICES OF SAUDI BASIC INDUSTRIES CORPORATION (SABIC) OR ITS SUBSIDIARIES OR AFFILIATES ("SELLER") ARE SOLD SUBJECT TO SELLER'S STANDARD CONDITIONS OF SALE, WHICH ARE AVAILABLE UPON REQUEST. INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS DOCUMENT ARE GIVEN IN GOOD FAITH. HOWEVER, SELLER MAKES NO EXPRESS OR IMPLIED REPRESENTATION, WARRANTY OR GUARANTEE (i) THAT ANY RESULTS DESCRIBED IN THIS DOCUMENT WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN OR APPLICATION INCORPORATING SELLER'S MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS. UNLESS OTHERWISE PROVIDED IN SELLER'S STANDARD CONDITIONS OF SALE, SELLER SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS DESCRIBED IN THIS DOCUMENT. Each user is responsible for making its own determination as to the suitability of Seller's materials, products, services or recommendations for the user's particular use through appropriate end-use and other testing and analysis. Nothing in any document or oral statement shall be deemed to alter or waive any provision of Seller's Standard Conditions of Sale or this Disclaimer, unless it is specifically agreed to in a writing signed by Seller. Statements by Seller concerning a possible use of any material, product, service or design do not, are not intended to, and should not be construed to grant any license under any patent or other intellectual property right of Seller or as a recommendation for the use of any material, product, service or design in a manner that infringes any patent or other intellectual property right.

SABIC and brands marked with ™ are trademarks of SABIC or its subsidiaries or affiliates.  
 © 2017 Saudi Basic Industries Corporation (SABIC). All Rights Reserved.

† Any brands, products or services of other companies referenced in this document are the trademarks, service marks and/or trade names of their respective holders.

[www.sabic.com/sfs](http://www.sabic.com/sfs)