

# One Value – Many Strengths!

Styrodur® 3000 CS with the same lambda value at all board strengths



*Multi-use board*



*New technology*



*Lambda 33 – constant insulating performance at all board thicknesses (30 - 240 mm)*



## The innovative multi-use thermal insulating board:

- With smooth surfaces and edges
- Suitable for nearly all building construction and civil engineering applications
- With constant thermal conductivity at all board thicknesses

[www.styrodur-3000.com](http://www.styrodur-3000.com)

 **BASF**  
We create chemistry

## STYRODUR® 3000 CS

The Same Lambda Value at All Board Thicknesses



More information  
on Styrodur®  
3000 CS

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**Styrodur® 3000 CS**

Surface	–	–	Smooth	–
Length x width	[mm]	–	1265 x 615	–
Thickness	[mm]	–	30 - 240	–
Thickness tolerance	–	T	1	EN 823
Thermal conductivity (nominal)	[W/(mK)]	$\lambda_D$	0.033	EN 13164
Compressive stress or compressive strength at 10% deformation	[kPa]	CS(10/Y)	300	EN 826
Compressive creep over 50 years at < 2% deformation	[kPa]	CC (2/1.5/50)	110	EN 1606
Dimensional stability: 70 °C; 90 % r. H.	[%]	DS(70,90)	≤ 5	EN 1604
Deformation behavior: load 40 kPa; 70 °C	[%]	DLT(2)	≤ 5	EN 1605
Linear coefficient of thermal expansion Longitudinal/Transverse	[mm/(mK)]	–	0.08 / 0.06	DIN 53752
Reaction to fire	Euroclass	–	E	EN 13501-1
Long-term water absorption by immersion	[% vol.]	WL(T)	≤ 0.7	EN 12087
Long-term water absorption by diffusion	[% vol.]	WD(V)	≤ 3	EN 12088
Water-vapor transmission (thickness-dependent)	–	MU	150 - 50	EN 12086
Freeze-thaw resistance	[% vol.]	FTCD	≤ 1	EN 12091
Maximum service temperature	[°C]	–	75	EN 14706