



Cembrit Zenit

Through-coloured with full-covering paint

Cembrit Zenit features rich, natural colours on a through-coloured baseboard. The unique combination of a through-coloured baseboard and 100% opaque, water-based acrylic paint that matches the baseboard colour gives a smooth, uniform surface and reduces the risk of visible scratches. The result is facade boards that are powerfully resistant to green moss and algae, water stains, and dirt.

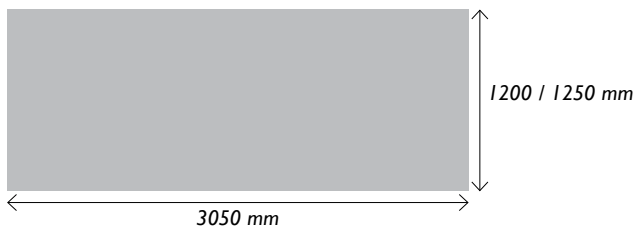
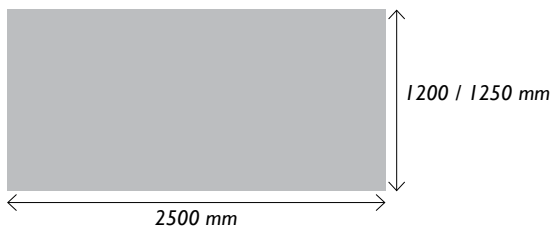
The 16 URBANNATURE colours selected for the Cembrit Zenit range are inspired by the universe and named after colourful planets in the sky above. Natural colours with a powerful expression. Cembrit Zenit also allows you to combine one of the nine baseboards with most NCS-S colours.

The Cembrit Zenit boards are supplemented by a complete range of accessories to ensure easy installation, longer life and an attractive end-result.

Surface appearance and colours

Because of its natural composition, variations in appearance may occur in the individual boards and from board to board. Please note that this does not have any negative effect upon the durability of the boards. In order to minimise differences, it is recommended that boards intended for the same facade are taken from the same batch as minor variations may occur from one production lot to another.

Over time colours will change as a consequence of the impact from UV light and the environment in general. Cembrit boards will, however, maintain their colour and gloss level to a high extent. According to the European standard EN 20105 Test for colour fastness, Part A02 Grey Scale for assessing change in colour, most colours will maintain grade 4-5 after a QUV test of 3000 hours, which in oral terms means that changes are hardly visible.



Rating	Character of Change
5	No change
4	Insignificant change of depth in colour. Hardly visible
3	Loss in depth of colour. Visible
2	Increasing change
1	Major change



Exterior cladding – Cembrit Zenit

Dimension					
Width	mm	1200	1200	1250	1250
Length	mm	2500	3050	2500	3050
Thickness	mm	8.0	8.0	8.0	8.0
Physical properties					
Density, dry	Kg/m ³	1700	1700	1700	1700
Weight	Kg/m ²	14.6	14.6	14.6	14.6
	Kg/board	43.8	54.4	46.3	56.7
Mechanical properties					
Bending modulus of elasticity					
Dry E-module with grain	GPa	8	8	8	8
Dry E-module across grain	GPa	7	7	7	7
Wet E-module with grain	GPa	7	7	7	7
Wet E-module across grain	GPa	5	5	5	5
Bending strength					
Dry with grain	MPa	24	24	24	24
Dry across grain	MPa	18	18	18	18
Wet with grain	MPa	15	15	15	15
Wet across grain	MPa	12	12	12	12
Interlaminar bond					
Dry	MPa	min 0.5	min 0.5	min 0.5	min 0.5
Wet	MPa	-	-	-	-
Impact strength (Charpy)					
Dry with grain	kJ/m ²	3.5	3.5	3.5	3.5
Dry across grain	kJ/m ²	2.5	2.5	2.5	2.5
Thermal properties					
Heat conductivity	W/m °C	0.4	0.4	0.4	0.4
Coefficient of thermal expansion	mm/m °C	0.008	0.008	0.008	0.008
Temperature range	°C	Max. 80	Max. 80	Max. 80	Max. 80
Frost resistance	Cycles	>100	>100	>100	>100
Hygrothermal properties					
Water absorption (wet over dry)	%	12.0	12.0	12.0	12.0
Wet-dry-wet (max)	mm/m	3	3	3	3
Water vapour transmission properties (23°C - 0/99% RH)					
Vapour permeance	ng/m ² s Pa	200	200	200	200
Vapour transmission resistance	Gpa s m ² /kg	5.0	5.0	5.0	5.0
Vapour transmission resistance	s/m	36,000	36,000	36,000	36,000
Vapour resistivity	MNs/gm	625	625	625	625
Vapour resistance factor, μ		140	140	140	140
Tolerances (ref. EN 12467)					
Thickness	mm	±0.8	±0.8	±0.8	±0.8
Length	mm	±3	±3	±3	±3
Width	mm	±2	±2	±2	±2
Other properties					
Category, class	EN 12467	NT A3 I	NT A3 I	NT A3 I	NT A3 I
Fire rating	EN 13501	A2-s1, d0	A2-s1, d0	A2-s1, d0	A2-s1, d0

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