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GROUND-END FLOORING SYSTEM

FAST & EASY FLOORING
WITH DECORATIVE
CEMENT BONDED PARTICLE BOARDS

BAUSAL 

GROUND-END – the new flooring system:
CETRIS boards sealed with decorative patterns

ALL IN ONE

The GROUND-END flooring system provides you with a fast and easy installation of a solid and stylish floor that is simultaneously dry, fireproof and waterproof. A range of unique design patterns are available.

GROUND-END is based on the cement bonded wooden particle board CETRIS[®] which is sealed with the smooth and hard decorative surface Purline Bio.[®] The system is A2 certified, durable, non-slippery and abrasion-proof (NKL 43). It has a very low installation height.

GROUND-END boards come in a handy size of 1200x483 mm, comparable e.g. to large format tiles.

THE BASIC BOARD

The cement bonded wooden particle board CETRIS® creates a very positive indoor climate; it is noise-absorbing and fireproof. (material class A2-s1, d0 according to DIN EN 13501 part 1)

THE PRIMER COAT

The basic board is sealed with an HPS Primer Coat (High Professional Shield).

THE DECORATIVE SURFACE

Ground-End boards are sealed with the extremely hard and durable Pureline Bio® surface. The range of decorative patterns includes stone, wood, plain colours and other designs.



THE EDGES

Precisely fitting tongues and grooves allow quick assembly without screwing.

GROUND-END FLOORING SYSTEM

DECORATIVE CEMENT BONDED PARTICLE BOARDS

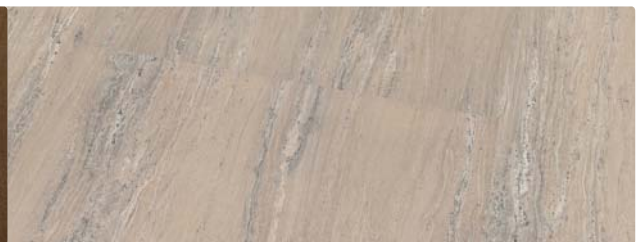
GROUND-END boards combine all the positive aspects of its' three components in one system: The cement bonded wooden particle board CETRIS, the HPS Primer Coat and the Purline Bio surface. In terms of building biology and building physics, it has a very positive impact on indoor climate, noise absorption and fire protection.

DESIGN PATTERNS

The GROUND-END flooring system comes with a **large number of modern design patterns**. The examples shown below are always available on stock. Other patterns can be chosen individually. Our variety of designs ranges from stone, marble and wood to the surfaces in the mediterranean style.



CALISTOLA CHOCOLATE



MILAS BEACH



CALISTOGA CREAM



MILAS WHITE



CALISTOGA NATURE



MONTEREY SNOW



JURA SLATE



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TECHNICAL DATA SHEET

GROUND-END FLOORING SYSTEM

BASIC BOARD (CEMENT BONDED PARTICLE BOARD CETRIS®)

Basic physical and mechanical properties	Real achieved parameter values
Reaction to fire according to EN 13 501-1	A2-s1, d0
Bulk density according to EN 323	min. 1.350 kg/m ³
Tensile bending strength according to EN 310	min. 11,5 N/mm ²
Elasticity module according to EN 310	min. 6.800 N/mm ²
Tensile strength applied perpendicularly to the board plane according to EN 319	min. 0.63 N/mm ²
Mass balanced humidity at 20° and a relative humidity of 50% according to EN 634-1	9,5%
Linear expansion with changes in humidity from 35% to 85% at 23 °C according to EN 13 009	max. 0,122 %
Thermal expansion coefficient acc. to EN 13 471	10 × 10 ⁻⁶ K ⁻¹
Water absorption by the board when stored in water for 24 hours	max. 16%
Thickness swelling when stored in water for 24 hours	max. 0,28%
Coefficient of thermal conductivity acc. EN 12 664; thickness 22 to 40 mm	0,251 W/mK - 0,287 W/mK
Airborne sound insulation according to EN ISO 140-3; th. 8 to 40 mm	30 dB - 35 dB
Diffusion resistance factor according to EN ISO 12 572; th. 8 to 40 mm	52,8 - 69,2
Frost resistance in 100 cycles according to EN 1328	R _L = 0,97



DECORATIVE SEALING (PURLINE BIO®)

Inspection Feature	Test value	Remark
Utilization class	NKL 43	DIN EN E4685/14565
Wear resistance	group T	DIN EN 438
Castor chair test	W	
Anti slip category	R 9	DIN 51130
Staining and chemical resistance	very good resistance	

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FAST AND EASY ASSEMBLY:

PREPARATION



1 Attach insulation stripes to the walls, fix with wooden wedges if necessary. Keep a joint of at least 10 mm. Provide other components, such as heating and water pipes, with an insulation stripe as well.

GLUING



2 Use the enclosed PU-glue, approx. 40 g per m². The joints for connecting the boards must be undamaged, dry, clean, without any dust and grease. Apply glue to the groove of the board.

ASSEMBLING



3 Install the first row of boards along the wall. Adjoin next row with staggered joints with respect to the previous row. Avoid cross joints! Attach the boards at an angle and with low pressure to the already assembled elements. Seal the longitudinal joints sufficiently while attaching. Close transverse joints. If hammering is necessary, always use a piece of wood between the board and hammer! Never hit the boards directly and violently!

EDGES



4 Attach the peripheral boards at an angle, then close the gaps by using a pull bar or tyre lever. Remove the wooden wedges from the isolation strips after completing the assembly. Seal expansion joints with silicone of an appropriate colour. Install skirting boards.

ASSEMBLY PRE-REQUIREMENTS (!):

GROUND-END boards must be placed on load-bearing, even and non-flexible ground. If necessary, even out the ground in advance, e.g. with screed or other levelling materials. In case of humidity, install a vapour barrier underneath the insulation. For concrete ceilings, add a PE foil of 0.2 mm thickness with an overlap of 25 cm. Mount the foil on the walls. A special moisture proofing according to DIN 18195 is required. Store the boards in the mounting location 2 days in advance to get them adjusted with the rooms' temperature and humidity. Required air humidity on average < 60 %.

For more detailed instructions, please check our website www.bausal.de.

**INNOVATIVE
BUILDING MATERIALS
SPECIALIST ADVICE**

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