

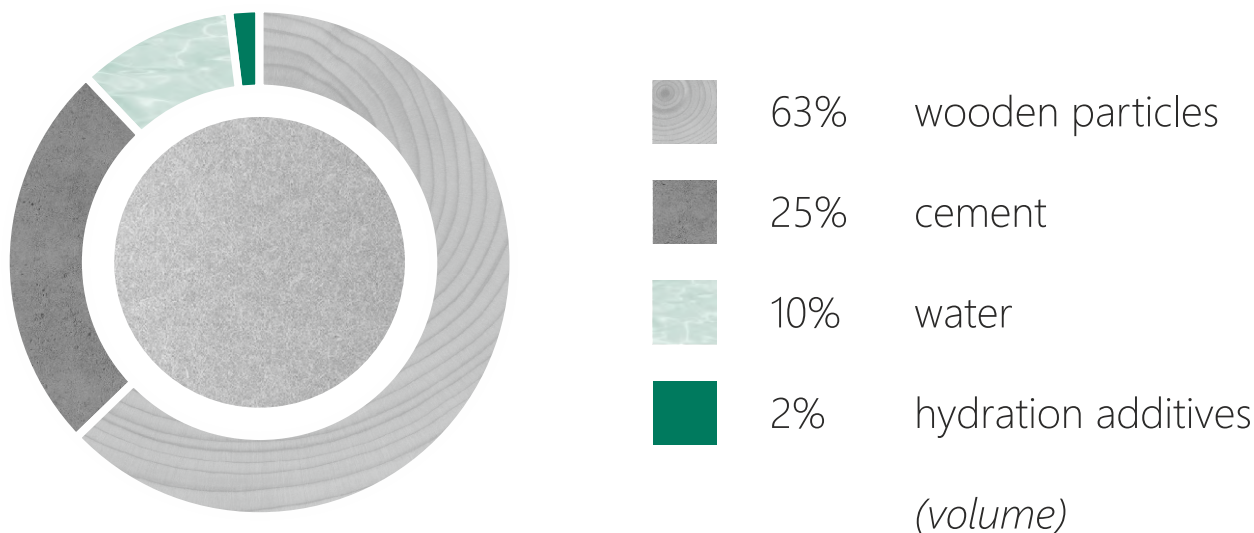
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# PRODUCTS - Production Program

|                                                         |     |
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### 1.1 Composition of the CETRIS® Cement bonded Particleboards

CETRIS® boards are made of wood, cement, water and hydration additives. The board structure is created by pressing the wooden particles coated with cement. The finer fraction is applied on both sides on a medium coarse layer, which makes the board surface smooth.



### 1.2 Benefits of the CETRIS® Boards

The CETRIS® cement bonded particleboards combine the positive properties of cement and wood. They are lighter than traditional cement-fibre boards, their strength and resistance to weather, frost and fungi ranks them among the wood-chip-cement board or plasterboard.

#### Major advantages of the CETRIS® boards



##### Ecology

The cement bonded particleboards are ecological and environmental friendly. They do not contain dangerous substances such as asbestos and formaldehyde; they are resistant to benzene and oils.



##### Resistance to fire

The CETRIS® cement bonded particleboard is fire resistant and its classification according to resistance to fire class as stipulated under European standard EN 13 501-1 is A2-s1,d0 – inflammable.



##### Perfect sound insulation

CETRIS® boards provide for acoustic insulation (sound transmission loss 30–35 dB).



##### Frost-resistance

CETRIS® cement bonded particleboards are frost resistant, tested successfully by 100 freezing-defrosting cycles pursuant to ČSN EN 1328 standard.



##### Weather resistance

CETRIS® cement bonded particleboards is the best material for wet rooms and weather-exposed exteriors for its excellent humidity resistance. The thickness swelling of CETRIS® boards when stored in water for 24 hours is only max. 1.5 %.



##### Hygienic harmless

CETRIS® boards are hygienic harmless, odourless and contain no hazardous substances.



##### Fungi and mould resistance

Fungi and mould do not form on the board surface thanks to the CETRIS® board resistance to humidity.



##### Insect resistance

The CETRIS® cement bonded particleboards are absolutely insect resistant thanks to their cement content.



## 1.3 Types of CETRIS® Cement Bonded Particleboards

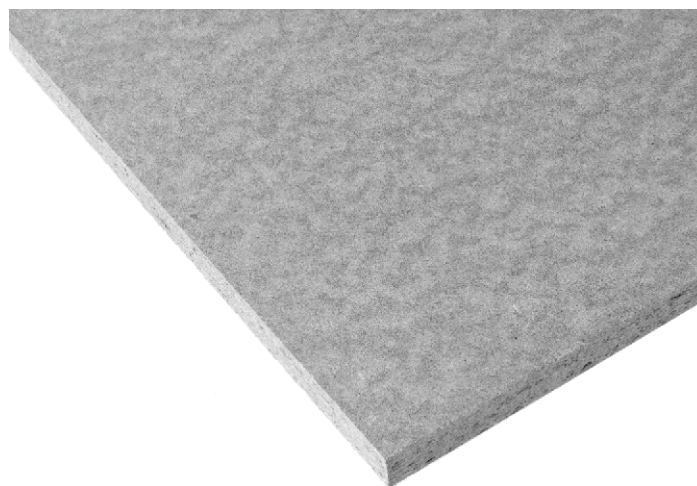
### Boards without Surface Treatment

The basis of the production programme of the CETRIS® Division is manufacturing of one product, the CETRIS® BASIC boards. All other products are created by mechanical or surface treatment of this basic board.

#### 1.3.1 CETRIS® BASIC

|                   |                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------|
| CETRIS® BASIC     | Cement bonded particleboard with smooth natural grey cement surface                            |
| Board format      | 3350 x 1250 mm                                                                                 |
| Density           | 1150-1450 kg/m <sup>3</sup>                                                                    |
| Board thicknesses | 8-10-12-14-16-18-20-22-24-26-28-30-32, as per agreement 34-36-38-40 mm                         |
| Service           | According to the requirements of the customer – cutting, drilling, edge chamfering, milling... |

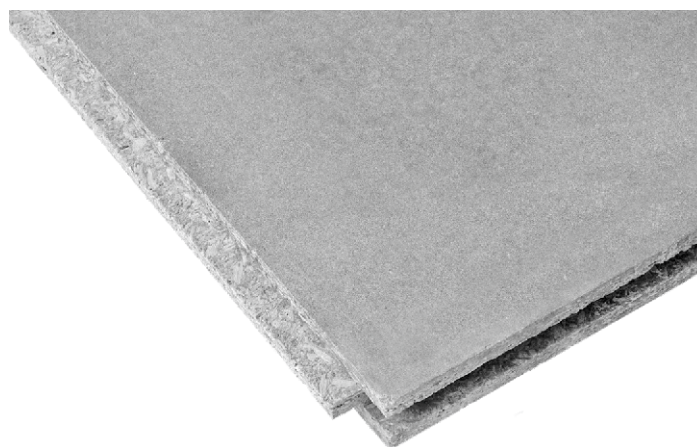
CETRIS® BASIC is a universal structural board, which is suitable, for cladding of walls, suspended ceilings, skirting, floor, fire resistant, roof systems, etc. The boards can be supplied with service - cut to the dimensions required by the customer, rounded or chamfered edges under an angle of 45°, milling from a minimum board thickness of 12 mm with semi-groove, from a board thickness of 16 mm with groove and tongue. Pre-drilled holes may be made in the boards on request.



#### 1.3.2 CETRIS® PD

|                   |                                                                                    |
|-------------------|------------------------------------------------------------------------------------|
| CETRIS® PD        | Cement bonded particleboard with smooth grey cement surface with tongue and groove |
| Board format      | 1250 x 625 mm (including tongue) after installation 1 242 x 617 mm                 |
| Density           | 1150-1450 kg/m <sup>3</sup>                                                        |
| Board thicknesses | 16-18-20-22-24-26-28 mm                                                            |
| Service           | Milling of tongue and groove edges                                                 |

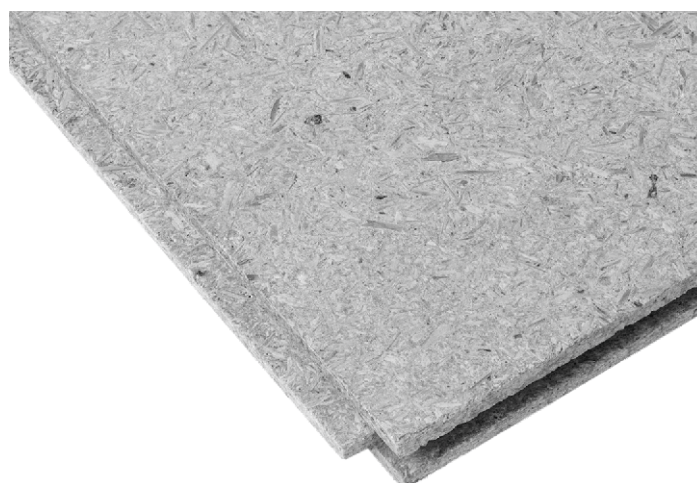
CETRIS® PD boards are intended for use on floors, i.e. they are laid on beams, or for renovation of old wooden floors.



#### 1.3.3 CETRIS® PDB

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| CETRIS® PDB       | Tongue-and-grooved cement bonded particleboard has a smooth surface calibrated by sanding |
| Board format      | 1250 x 625 mm (including tongue), after installation 1 242 x 617 mm                       |
| Density           | 1150-1450 kg/m <sup>3</sup>                                                               |
| Board thicknesses | 16-18-20-22-24-26-28 mm (as per agreement 30-32-34-36-38 mm)                              |
| Service           | Full-size double-sided sanding, milling of tongue and groove edges                        |

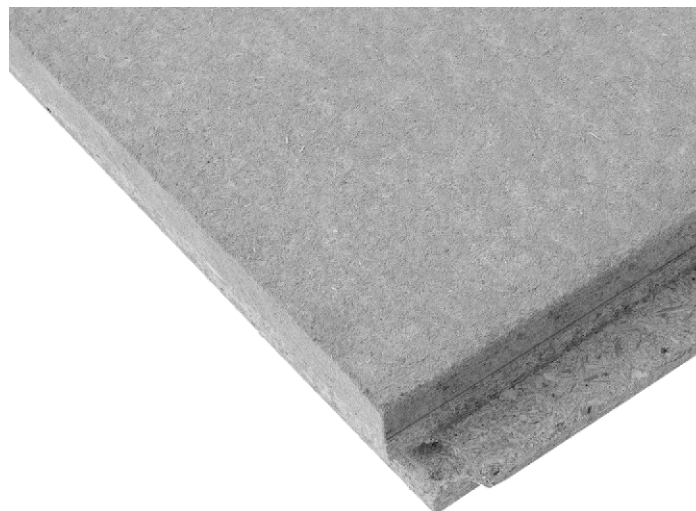
The CETRIS® PDB are calibrated by sanding to a thickness tolerance of  $\pm 0.3$  mm and are intended for use on floors by attachment to beams, or for renovation of old wooden floors mainly under thin floorings.



### 1.3.4 CETRIS® PDI

|                  |                                                                                                                                                                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CETRIS® PDI      | Two-ply panel consisting of a CETRIS® cement bonded particleboard of thickness 20 mm or 22 mm glued together with a fibreboard insulation of thickness 12 mm. The surface is smooth with milled tongue and groove around the perimeter |
| Board format     | 1 220 x 610 mm (including tongue),<br>after installation 1 203 x 593 mm                                                                                                                                                                |
| Panel thickness: | 32, 34 mm                                                                                                                                                                                                                              |
| Area weight:     | approx. 30,4/ 33,5 kg/m <sup>2</sup>                                                                                                                                                                                                   |
| Service          | Milling of tongue and groove on the edges                                                                                                                                                                                              |

The CETRIS® PDI boards are designed for use of dry technology and laying on a flat surface (ceiling structure, decking). More detailed information about use of the floor panels is available in chapter 6.5.



### 1.3.5 CETRIS® PROFIL

|                   |                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|
| CETRIS® PROFIL    | Cement bonded particleboard with relief imitating wood or slate structure with a natural grey cement surface |
| Board format      | 3350 x 1250 mm                                                                                               |
| Density           | 1150-1450 kg/m <sup>3</sup>                                                                                  |
| Board thicknesses | 10 - 12 mm                                                                                                   |
| Relief type       | Wood, Slate                                                                                                  |
| Service           | According to the requirements of the customer – cutting, drilling, milling.                                  |

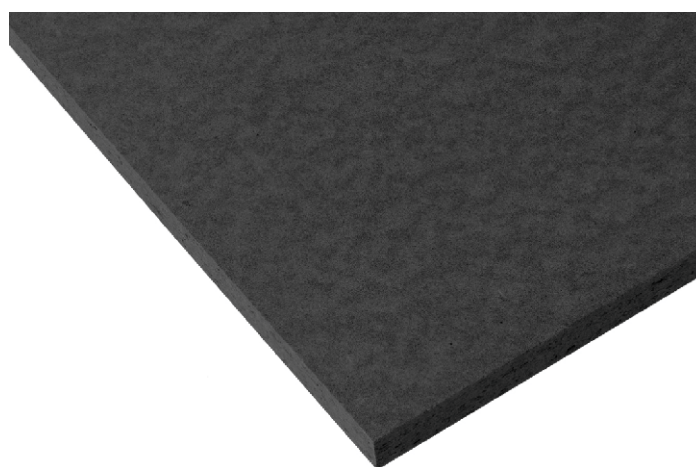
CETRIS® PROFIL boards can be supplied with service - cutting according to the dimensions required by the customer, milling from a board thickness of 12 mm with semi-groove. Pre-drilled holes may be made in the boards on request. CETRIS® PROFIL boards are mainly used as exterior and interior façade cladding for their decorative appearance.



### 1.3.6 CETRIS® INCOL **NEW**

|                 |                                                                                                |
|-----------------|------------------------------------------------------------------------------------------------|
| CETRIS® INCOL   | Cement-bonded particleboard with smooth surface primed through with black pigment              |
| Board format    | 3350 x 1250 mm                                                                                 |
| Density         | 1150-1450 kg/m <sup>3</sup>                                                                    |
| Board thickness | 12 mm                                                                                          |
| Service         | According to the requirements of the customer – cutting, drilling, edge chamfering, milling... |

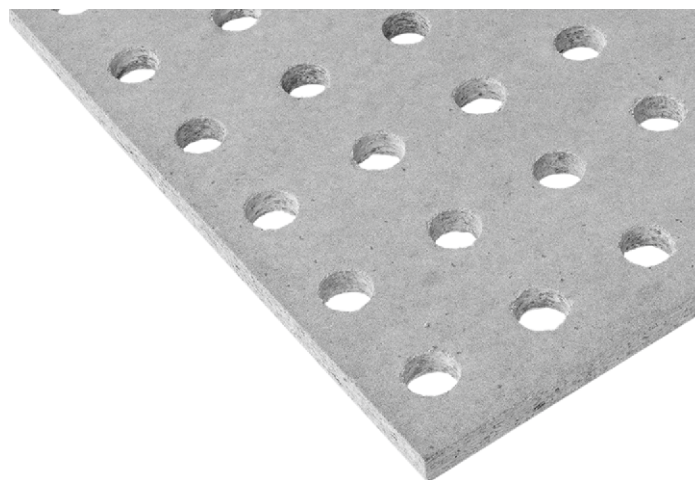
CETRIS® INCOL boards can be supplied with service - cutting according to the dimensions required by the customer, rounded edge or chamfered edge to 45°, milled with semi-groove. Pre-drilled holes may be made in the boards on request. CETRIS® INCOL boards are mainly used as exterior and interior cladding.



### 1.3.7 CETRIS® AKUSTIC

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| CETRIS® AKUSTIC   | Cement bonded particleboard with pre-drilled / milled holes and smooth cement surface  |
| Board format      | 1250 x 625 mm                                                                          |
| Density           | 1150-1450 kg/m <sup>3</sup>                                                            |
| Board thicknesses | 8 - 10 mm (as per agreement 12 - 14 mm)                                                |
| Area weight       | 8 mm – 10 kg/m <sup>2</sup> , 10 mm – 12,5 kg/m <sup>2</sup>                           |
| Service           | Drilled holes of diameter 12 mm, spacing 32 mm + new board milling (drilling) designs. |

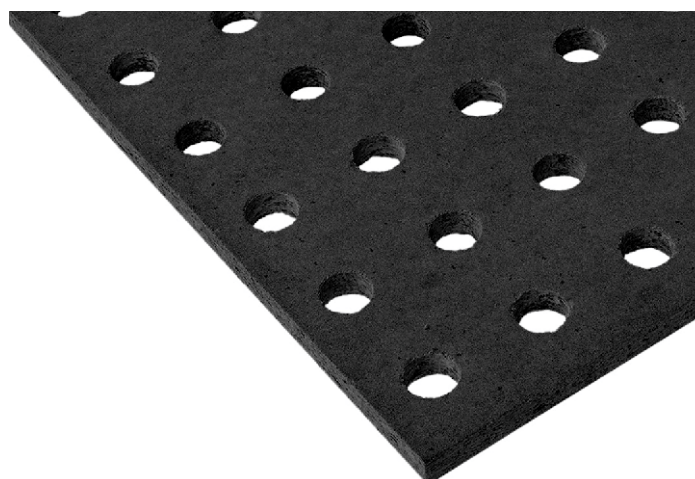
CETRIS® AKUSTIC boards are used as part of noise-absorbing acoustic insulation structures in connection with load-bearing structures, mineral wool and acoustic textile. By use of these boards, we get not only an aesthetically interesting, but also functional cladding that improves spatial acoustics. Details in chapter 9.3.



### 1.3.8 CETRIS® AKUSTIC INCOL **NEW**

|                       |                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------|
| CETRIS® AKUSTIC INCOL | Cement bonded particleboard with smooth surface primed through with black pigment with drilled / milled holes |
| Board format          | 1250 x 625 mm                                                                                                 |
| Density               | 1150-1450 kg/m <sup>3</sup>                                                                                   |
| Board thicknesses     | 12 mm                                                                                                         |
| Area weight           | 8 mm – 10 kg/m <sup>2</sup> , 10 mm – 12,5 kg/m <sup>2</sup>                                                  |
| Service               | Drilled holes of diameter 12 mm, spacing 32 mm + new board milling (drilling) designs.                        |

CETRIS® AKUSTIC INCOL boards are used as part of noise-absorbing acoustic insulation structures in connection with load-bearing structures, mineral wool and acoustic textile. By use of these boards, we get not only an aesthetically interesting, but also functional cladding that improves spatial acoustics. Details in chapter 9.3.



### 1.3.9 CETRIS® HOBBY FLOWERBED CURB

|                              |                    |
|------------------------------|--------------------|
| CETRIS® HOBBY FLOWERBED CURB |                    |
| Board format                 | 1250 x 250 x 28 mm |
| Weight (1 pc)                | 12.25 kg           |

CETRIS® HOBBY FLOWERBED CURB is a CETRIS® cement bonded particleboard of rectangular format and a thickness of 28 mm with a size of 1250 x 250 mm, cut from CETRIS® BASIC board. The top edge is chamfered on both sides, the side edges are milled to allow (tongue+groove) joining. The boards may be cut, drilled or milled. The boards may be set in concrete, or directly in a furrow and filled with soil.

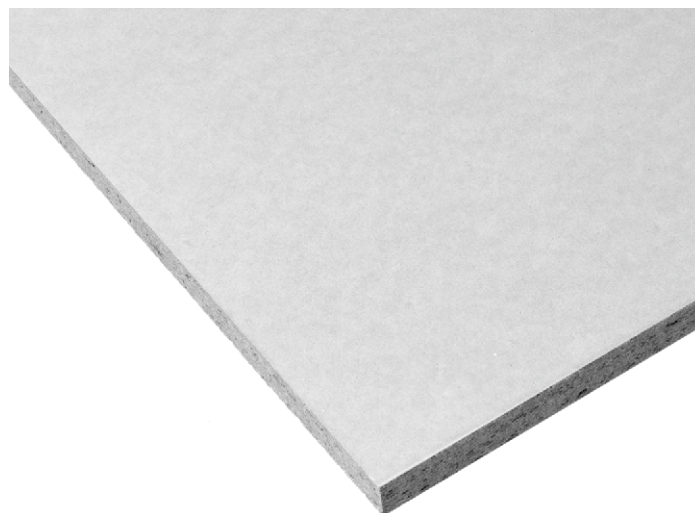




### 1.3.10 CETRIS® PLUS

|                   |                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------|
| CETRIS® PLUS      | Cement bonded particleboard with a smooth surface treated with primer coat on both sides including the edges |
| Board format      | According to the customer's requirements<br>max. 3350 x 1250 mm                                              |
| Density           | 1150-1450 kg/m <sup>3</sup>                                                                                  |
| Board thicknesses | 8-10-12-14-16-18-20-22-24-26-28-30-32 mm                                                                     |
| Service           | According to the requirements of the customer – cutting, drilling, phasing, milling...                       |
| Surface treatment | White base coat                                                                                              |

The provided services are identical with those provided for CETRIS® BASIC boards. The base coat improves the adhesion of the final paint on the board, reduces the porosity of the board and consumption of final coating material. The CETRIS® PLUS boards are mainly suitable for use in interiors as a base under a contact heat insulation system. The underside has lower coverage and an irregular structure.



### 1.3.11 CETRIS® PROFIL PLUS

|                     |                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| CETRIS® PROFIL PLUS | Cement bonded particleboard with relief surface imitating wood or slate structure with white primer on both sides including the edges. |
| Board format        | According to the customer's requirements,<br>max. 3350 x 1250 mm                                                                       |
| Density             | 1150-1450 kg/m <sup>3</sup>                                                                                                            |
| Board thicknesses   | 10 - 12 mm                                                                                                                             |
| Relief type         | Wood, Slate                                                                                                                            |
| Service             | According to the requirements of the customer – cutting, milling.                                                                      |
| Surface treatment   | White base coat                                                                                                                        |

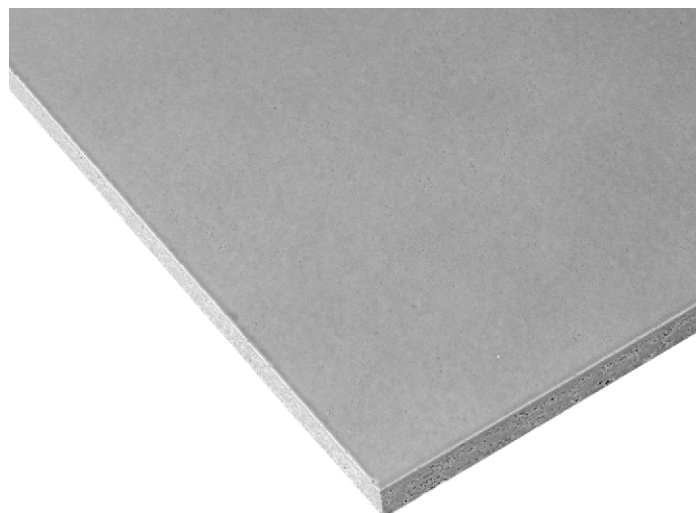
The provided services are identical with those provided for CETRIS® BASIC boards. The base coat improves the adhesion of the final paint on the board, reduces the porosity of the board and consumption of final coating material. The CETRIS® PROFIL PLUS boards are mainly suitable for use in interiors. The underside has lower coverage and an irregular structure.



### 1.3.12 CETRIS® FINISH

|                   |                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| CETRIS® FINISH    | Cement bonded particleboard with smooth surface provided with a primer and a final top coat in shades according to the customer's requirements |
| Board format      | According to the customer's requirements, max. 3350 x 1250 mm                                                                                  |
| Density           | 1150-1450 kg/m <sup>3</sup>                                                                                                                    |
| Board thicknesses | 10-12-14-16 mm                                                                                                                                 |
| Service           | According to requirements – cutting, drilling, chamfering of edges                                                                             |
| Surface treatment | Pigment primer coat, top coat                                                                                                                  |
| Colour shades     | According to the RAL, NCS swatches – suitability of the colour shade must be consulted with the manufacturer                                   |

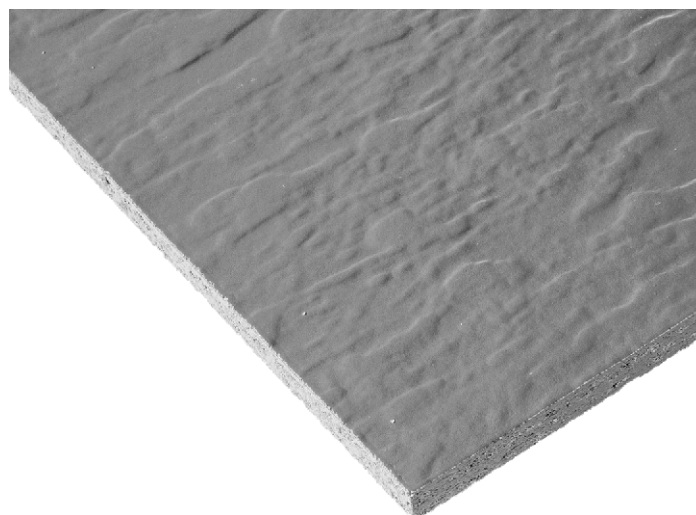
The CETRIS® FINISH boards are used mainly as surface cladding boards in exteriors and interiors. The backside of the CETRIS® FINISH boards is provided with a protective primer coat without regular structure, appearance, specific colour shade and adequate covering power. The requirement for the design of the backside in white or transparent shade must be specified in the order in advance.



### 1.3.13 CETRIS® PROFIL FINISH

|                       |                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CETRIS® PROFIL FINISH | Cement bonded particleboard with relief imitating wood or slate structure, with a primer and top coat according to the customer's colour shade requirement |
| Board format          | According to the customer's requirements, max 3350 x 1250 mm                                                                                               |
| Density               | 1150-1450 kg/m <sup>3</sup>                                                                                                                                |
| Board thicknesses     | 10 - 12 mm                                                                                                                                                 |
| Relief type           | Wood, Slate                                                                                                                                                |
| Service               | According to the requirements of the customer – cutting, drilling of holes                                                                                 |
| Surface treatment     | Pigment primer coat, top coat                                                                                                                              |
| Colour shades         | According to the RAL, NCS swatches – suitability of the colour shade must be consulted with the manufacturer                                               |

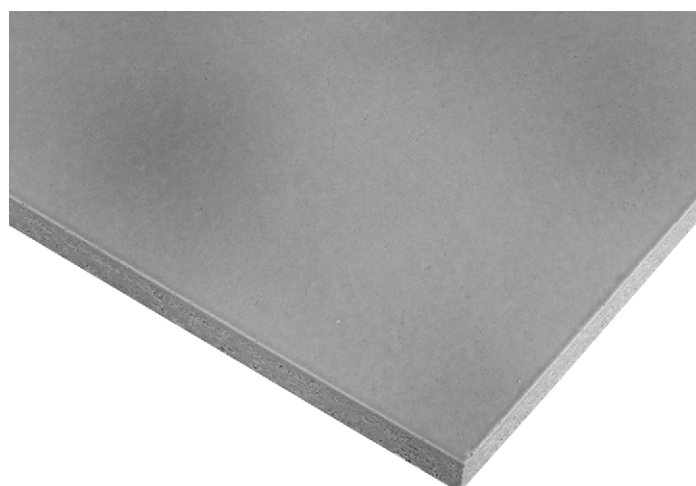
CETRIS® PROFIL FINISH boards are mainly used as exterior and interior façade cladding for their decorative appearance. The backside of the boards is provided with a protective primer coat without regular structure, appearance, specific colour shade and adequate covering power. The requirement for the design of the backside in white or transparent shade must be specified in the order in advance.



### 1.3.14 CETRIS® LASUR

|                   |                                                                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| CETRIS® LASUR     | Cement bonded particleboard with smooth surface provided with a primer coat and a glaze top coat in shades according to the customer's requirements |
| Board format      | According to the customer's requirements, max. 3350 x 1250 mm                                                                                       |
| Density           | 1150-1450 kg/m <sup>3</sup>                                                                                                                         |
| Board thicknesses | 10-12-14-16 mm                                                                                                                                      |
| Service           | According to the requirements of the customer – cutting, drilling of holes, chamfering of edges                                                     |
| Surface treatment | Pigment primer coat, top glaze coat                                                                                                                 |
| Shades            | According to the CETRIS® LASUR board sampler                                                                                                        |

The CETRIS® LASUR boards are used mainly as surface cladding boards in exteriors and interiors. The backside of the CETRIS® LASUR boards is provided with a protective primer coat without regular structure, appearance, specific colour shade and adequate covering power.



### 1.3.15 CETRIS® PROFIL LASUR

|                      |                                                                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CETRIS® PROFIL LASUR | Cement bonded particleboard with relief imitating wood or slate structure, with a primer and final glaze top coat made according to the customer's requirement |
| Board format         | According to the customer's requirements, max. 3350 x 1250 mm                                                                                                  |
| Density              | 1150-1450 kg/m <sup>3</sup>                                                                                                                                    |
| Board thicknesses    | 10-12 mm                                                                                                                                                       |
| Relief type          | Wood, Slate                                                                                                                                                    |
| Service              | According to the requirements of the customer – cutting, drilling of holes                                                                                     |
| Surface treatment    | Primer pigment coat, top glaze coat                                                                                                                            |
| Shades               | According to the CETRIS® LASUR board sampler                                                                                                                   |

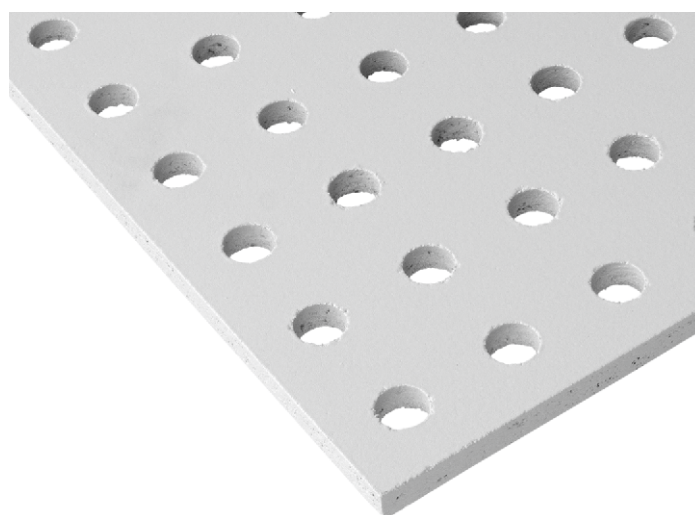
CETRIS® PROFIL LASUR boards are mainly used as exterior and interior façade cladding for their decorative appearance. The backside of the CETRIS® PROFIL LASUR boards is provided with a protective primer coat without regular structure, appearance, specific colour shade and adequate covering power.



### 1.3.16 CETRIS® AKUSTIC FINISH **NEW**

|                        |                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------|
| CETRIS® AKUSTIC FINISH | Cement bonded particleboard with regular pre-drilled holes with primer coat and final top coat |
| Board format           | 1250 x 625 mm                                                                                  |
| Density                | 8 mm – 10 kg/m <sup>2</sup> , 10 mm – 12,5 kg/m <sup>2</sup>                                   |
| Board thicknesses      | 8 - 10 mm (as per agreement 12 - 14 mm)                                                        |
| Relief type            | smooth                                                                                         |
| Service                | Drilled holes – diameter 12 mm, hole spacing 32 mm + new board drilling (milling) design       |
| Surface treatment      | Pigment primer coat, top coat                                                                  |
| Colour shades          | According to RAL, NCS - consult with the manufacturer                                          |

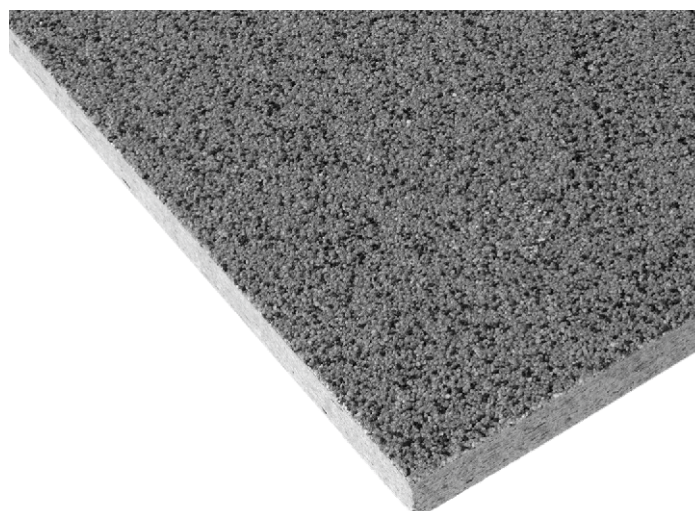
CETRIS® AKUSTIC FINISH boards are used as part of noise-absorbing acoustic insulation structures in connection with load-bearing structures, mineral wool and acoustic textile. By use of these boards, we get not only an aesthetically interesting, but also functional cladding that improves spatial acoustics. The backside of the CETRIS® AKUSTIC FINISH boards is provided with a protective primer with irregular structure, raw appearance and insufficient coverage. Details in chapter 9.3



### 1.3.17 CETRIS® DEKOR

|                   |                                                                          |
|-------------------|--------------------------------------------------------------------------|
| CETRIS® DEKOR     | Cement bonded particleboard with base coat and decorative mosaic plaster |
| Board format      | 1250 x 625 mm                                                            |
| Area weight       | 12 mm – cca 20 kg/m <sup>2</sup> , 14 mm – cca 23 kg/m <sup>2</sup>      |
| Board thicknesses | 12, 14 mm                                                                |
| Surface treatment | Pigment primer coat, decorative mosaic plaster                           |
| Colour shades     | According to the CETRIS® DEKOR board sampler                             |

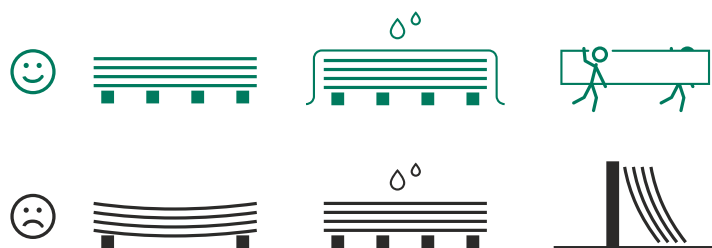
The CETRIS® DEKOR boards are used mainly as cladding boards in exteriors and interiors. The backside of the CETRIS® DEKOR boards is provided with a protective primer without regular structure, appearance, specific colour shade and adequate covering power.



## 1.4 Packaging, Storage, Handling

The CETRIS® cement bonded particleboard are stored on wooden transport pallets which allow handling with a forklift. The boards are fixed with straps cross-wise. Longitudinally, fixing is only upon customer request. CETRIS® boards are protected against weather using PE foil. However, packaging of CETRIS® boards in PE foil does not fulfil the conditions for long-term exposure to the effects of weather during storage in an open space. During storage, the top board may bend due to quicker drying of the upper surface. This phenomenon is eliminated by turning the board over. The CETRIS® boards should be stored in

roofed dry space to ensure that they do not become moist before installation. During storage, it is possible to stack CETRIS® without surface treatment in layers on the same size up to a maximum height of 4 m. The pallets CETRIS® boards on which surface finish are stored cannot be stacked (PLUS, FINISH, LASUR, DEKOR). When handling, the CETRIS® boards should be placed on pallets. During storage, the boards are handled in vertical position. Manual transfer is also done in vertical position.



CETRIS®  
PLUS  
FINISH  
LASUR  
DEKOR

| Board thickness (mm) | Approx. weight (kg/m <sup>2</sup> ) | Approx. weight of the board (kg) | Number of boards on pallet (pieces) | Area of boards on pallet (m <sup>2</sup> ) | Total approximate weight of the boards including pal. (kg) |
|----------------------|-------------------------------------|----------------------------------|-------------------------------------|--------------------------------------------|------------------------------------------------------------|
|----------------------|-------------------------------------|----------------------------------|-------------------------------------|--------------------------------------------|------------------------------------------------------------|

CETRIS® BASIC, PROFIL, INCOL cement bonded particleboards in basic format (1,250x3,350 mm)

|    |      |       |    |        |       |
|----|------|-------|----|--------|-------|
| 8  | 11,4 | 47,6  | 60 | 254,25 | 2 894 |
| 10 | 14,2 | 59,5  | 45 | 188,44 | 2 716 |
| 12 | 17,0 | 71,4  | 40 | 167,50 | 2 894 |
| 14 | 19,9 | 83,3  | 35 | 146,56 | 2 954 |
| 16 | 22,7 | 95,1  | 30 | 125,63 | 2 894 |
| 18 | 25,6 | 107,0 | 25 | 104,69 | 2 716 |
| 20 | 28,4 | 118,9 | 25 | 104,69 | 2 013 |
| 22 | 31,5 | 130,8 | 20 | 83,75  | 2 656 |
| 24 | 34,3 | 142,7 | 20 | 83,75  | 2 894 |
| 26 | 36,9 | 154,6 | 20 | 83,75  | 2 132 |
| 28 | 39,8 | 166,5 | 15 | 62,81  | 2 537 |
| 30 | 42,6 | 178,4 | 15 | 62,81  | 2 716 |
| 32 | 45,4 | 190,3 | 15 | 62,81  | 2 894 |
| 34 | 48,3 | 202,2 | 15 | 62,81  | 2 073 |
| 36 | 51,1 | 214,1 | 10 | 41,88  | 2 181 |
| 38 | 54,0 | 226,0 | 10 | 41,88  | 2 300 |
| 40 | 56,8 | 237,9 | 10 | 41,88  | 2 419 |

| Board thickness (mm) | Approx. weight (kg/m <sup>2</sup> ) | Approx. weight of the board (kg) | Number of boards on pallet (pieces) | Area of boards on pallet (m <sup>2</sup> ) | Total approximate weight of the boards including the pallet (kg) |
|----------------------|-------------------------------------|----------------------------------|-------------------------------------|--------------------------------------------|------------------------------------------------------------------|
|----------------------|-------------------------------------|----------------------------------|-------------------------------------|--------------------------------------------|------------------------------------------------------------------|

CETRIS® PD, CETRIS® PDB floor boards (dimensions 1,250 x 625 mm)

|    |      |      |    |      |     |
|----|------|------|----|------|-----|
| 16 | 22,7 | 17,8 | 50 | 39,0 | 895 |
| 18 | 25,6 | 20,0 | 45 | 35,1 | 906 |
| 20 | 28,4 | 22,2 | 40 | 31,2 | 895 |
| 22 | 31,5 | 24,6 | 35 | 27,3 | 868 |
| 24 | 34,3 | 26,8 | 35 | 27,3 | 946 |
| 26 | 36,9 | 28,8 | 30 | 23,4 | 865 |
| 28 | 39,8 | 31,1 | 30 | 23,4 | 932 |

CETRIS® BASIC for the POLYCET, IZOCET floor systems (1,250 x 625 mm)

|          |      |      |    |      |     |
|----------|------|------|----|------|-----|
| 12 horní | 17,0 | 13,3 | 70 | 54,7 | 950 |
| 12 dolní | 17,0 | 13,3 | 70 | 54,7 | 950 |

CETRIS® AKUSTIC (1250x625 mm) cement bonded particleboards

|    |      |      |     |       |     |
|----|------|------|-----|-------|-----|
| 8  | 10,0 | 7,8  | 100 | 78,13 | 810 |
| 10 | 12,5 | 9,75 | 80  | 62,5  | 805 |

Insulating fibreboards for the IZOCET floor system (1,200 x 810 mm)

|    |     |     |     |       |     |
|----|-----|-----|-----|-------|-----|
| 19 | 5,0 | 5,0 | 150 | 145,8 | 745 |
|----|-----|-----|-----|-------|-----|

CETRIS® PDI (1220x610 mm) floor panel

|    |      |    |    |       |     |
|----|------|----|----|-------|-----|
| 34 | 33,5 | 24 | 30 | 22,32 | 750 |
| 32 | 30,4 | 24 | 30 | 22,32 | 700 |

# 1.5 Parameters of the Dispatched Boards

## 1.5.1 Dimensional tolerances

Note: The given tolerances are defined according to ČSN EN 634-1.

| Parameter                             | Board thickness | Requirement |
|---------------------------------------|-----------------|-------------|
| Thickness of a unsanded board         | 8,10 mm         | ±0,7 mm     |
|                                       | 12,14 mm        | ±1,0 mm     |
|                                       | 16,18 mm        | ±1,2 mm     |
|                                       | 20 – 40 mm      | ±1,5 mm     |
| Thickness of a sanded board           | 8 - 38 mm       | ±0,3 mm     |
| Basic format length and width         | 8 – 40 mm       | ±5,0 mm     |
| Sizing precision for length and width | 8 – 40 mm       | ±3,0 mm     |
| Edge straightness tolerance           | 8 – 40 mm       | 1,5 mm/m    |
| Rectangularity tolerance              | 8 – 40 mm       | 2,0 mm/m    |

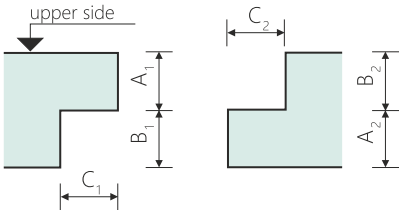
| Parameter                      | 1st Class Quality         | Lower quality class                                                                                                                                                                                                              |
|--------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Deviation from the right angle | Max. 2 mm / 1 m of length | Max. 4 mm / 1 m of length                                                                                                                                                                                                        |
| Permissible edge damage        | Max. to a depth of 3 mm   | Max. to a depth of 30 mm                                                                                                                                                                                                         |
| Plane projections              | Max. 1 mm, size 10 mm     | Max. 2 mm                                                                                                                                                                                                                        |
| Depressions                    | Max. 1 mm, size 10 mm     | Max. 2 mm                                                                                                                                                                                                                        |
| Miscellaneous                  |                           | Corrugated surface up to 30 mm, longitudinal wave >30 mm and transverse wave >20 mm, thin edges, pressed cement, peel in the surface, edges peeled, surfaces damaged by the pallets, edges damaged by the disc and cut-out saws. |

## 1.5.2 Services

Deviations in milling, chamfering, creation of tongues and grooves are determined in such a manner that functional correctness is maintained during assembly.

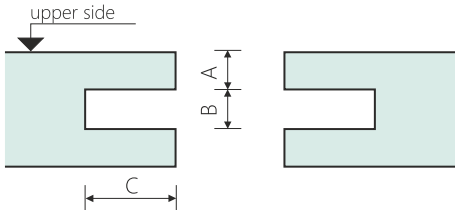
### Semi-groove

| Dimensions | Deviation | Dimensions | Deviation |
|------------|-----------|------------|-----------|
| A1         | -1/0      | A2         | -1/0      |
| B1         | 0/+1,5    | B2         | 0/+1,5    |
| C1         | 0/+2      | C2         | -2/0      |



### Groove

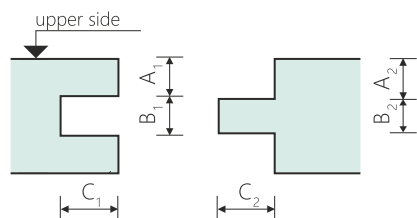
| Dimensions | Deviation |
|------------|-----------|
| A          | -0,5/+0,5 |
| B          | 0/+1,5    |
| C          | 0/+2      |



## Tongue and groove

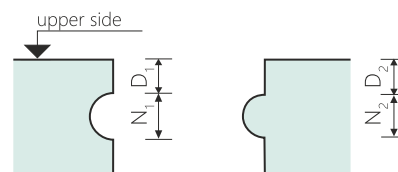
|                     |      |      |      |      |     |     |      |
|---------------------|------|------|------|------|-----|-----|------|
| d (mm)              | 16   | 18   | 20   | 22   | 24  | 26  | 28   |
| A <sub>1</sub> (mm) | 5,0  | 6,0  | 7,0  | 8,0  | 8,0 | 9,0 | 10,0 |
| A <sub>2</sub> (mm) | 5,25 | 6,25 | 7,25 | 8,25 | 8,5 | 9,5 | 10,5 |
| B <sub>1</sub> (mm) | 6,0  |      |      |      | 8,0 |     |      |
| B <sub>2</sub> (mm) | 5,5  |      |      |      | 7,0 |     |      |
| C <sub>1</sub> (mm) | 10,0 |      |      |      |     |     |      |
| C <sub>2</sub> (mm) | 8,5  |      |      |      |     |     |      |

| Dimensions     | Deviation | Dimensions     | Deviation |
|----------------|-----------|----------------|-----------|
| A <sub>1</sub> | ±0,5 mm   | A <sub>2</sub> | ±0,5 mm   |
| B <sub>1</sub> | 0/+0,5    | B <sub>2</sub> | -0,5/0    |
| C <sub>1</sub> | 0/+2      | C <sub>2</sub> | -2/0      |



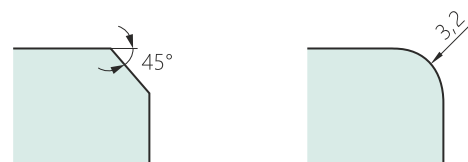
## Half-round tongue and groove

| Dimensions | Deviation | Dimensions | Deviation |
|------------|-----------|------------|-----------|
| D1         | ±0,5 mm   | D2         | ±0,5 mm   |
| N1         | 0/+0,5    | N2         | -0,5/0    |



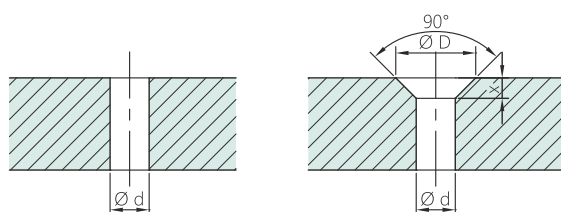
## Chamfered and rounded edges

| Deviation                   |
|-----------------------------|
| Machining accuracy ± 1.0 mm |



## Drilling

| Type of drilling  | Hole diameter          |              | Depth x (mm) | Board thickness (mm) |
|-------------------|------------------------|--------------|--------------|----------------------|
|                   | inner d (mm)           | outer D (mm) |              |                      |
| Without recessing | (4,5 - 8,0)<br>± 0,5   | ---          | ---          | 8 - 40               |
| Without recessing | (10,0 - 12,0)<br>± 1,0 | ---          | ---          | 8 - 40               |
| With recessing    | 4,5 ± 0,5              | 9,5 ± 1,0    | 2,5 ± 0,5    | 12 - 40              |
| With recessing    | 5,5 ± 0,5              | 1,0 ± 1,0    | 2,5 ± 0,5    | 12 - 40              |
| With recessing    | 6,5 ± 0,5              | 17,0 ± 1,5   | 5,0 ± 1,0    | 12 - 40              |



Deviation of the distance of the individual holes in the board is not more than ± 5 mm.



## Surface Treatment

Guarantee on colour stability (according to the manufacturer of the coats) is at least 3 years. Colour shades of CETRIS® FINISH, PROFIL FINISH and AKUSTIC FINISH boards can be chosen according to the RAL or NCS colour sampler. Colour shades of the CETRIS® LASUR and CETRIS® PROFIL LASUR boards can be chosen according to the CETRIS® LASUR colour sampler. We recommend that you consult the suitability of the chosen colour shade with us. The backside of the CETRIS® FINISH, PROFIL FINISH, LASUR, PROFIL LASUR, AKUSTIC FINISH and DEKOR is provided with a protective primer with irregular structure, raw appearance and insufficient coverage.

The backside coat is provided in an unspecified colour shade, the requirement for white or transparent shade must be specified in the order in advance. The backside surface of the boards may be slightly disrupted by handling related to the manufacturing of the CETRIS® boards. If a sample with the required colour shade is made upon customer request, this sample shall only serve as orientation information about the chosen colour shade and coverage level (difference in the manual application of the coat on the sample and machine application during series production).