KRONOSPAN OSB, spol. s r. o.
Na Hranici 6, 587 04 Jihlava, CZ
Tel.: +420 567 124 204, Fax: +420 567 124 235
IČ / Id. N°: 26936364, DIČ / VAT N°: CZ26936364
sales@kronospan.cz, www.kronospan.cz

Technical and Material Safety Data Sheet

Product:
Oriented strand boards without surface treatment – OSB Superfinish ECO, type OSB/4 according to EN 300

1. Product information

1.1. Product identification

Multi-layer boards of flat chips (strands) of specified shape and thickness. The outer layer particles are oriented parallel to the board lengthwise or crosswise edge. The central layer particles may be oriented randomly or perpendicular to the outside layer lamellas. Binding agents are polyurethane-based resin (MDI), the boards are flat-pressed either non-sanded or sanded on both sides. The multi-layer boards comply with the requirements concerning the surface roughness and low thickness tolerances. European standard EN 300 defines the boards as heavy duty load-bearing boards for use in humid conditions or for special surface treatment.

'Humid conditions' is defined as service class 2 of EN 1995-1-1 which is characterised by a moisture content in the material corresponding to a temperature of 20°C and a relative humidity of the surrounding air only exceeding 85% for a few weeks per year.

1.2. Manufacturer identification

KRONOSPAN OSB, spol. s r. o.
Na hranici 6
587 04 Jihlava
Czech Republic
Business ID 26 93 63 64

1.3. Contact data for product information

Phone	00420 567 124 204
Green line	00420 800 112 222
Fax	00420 667 124 132

2. Composition information of OSB Superfinish ECO – type OSB/4

(Specified in kg/1 m^3 of OSB):

- Timber matter	- 540 - 600 kg athro coniferous
- PMDI (polyurethane resin)	- 27 - 30 kg (dry matter)
- Paraffin	- 9 - 12 kg

Consumption of raw material corresponds to individual thickness classes of the boards**.**

3. Property information

3.1. Mechanical-physical properties

Properties are determined in accordance with the requirements of EN 300:

- Tensile strength perpendicular to the plane of the board – Internal Bond
- Bending strength
- Modulus of elasticity
- Swelling in thickness - 24 hours immersion

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3.2. Hygienic requirements

Strands are glued together with formaldehyde-free binder.

3.3. Fire resistance properties

The product is classified as D class in accordance with reaction of fire classification determined in EN 13501-1. Its additional classification according to smoke generation is s1 or *s2* and particles burning in flame *d0 or d1.* Whole classification is expressed as ***D-s2, d1*** for boards with thickness from 8 mm till 18 mm and as ***D-s1, d0*** for bards with thickness 18 mm and above***.***

4. Instruction for transport and storage

4.1. Transport

- Railway carriages intended for this type of transport (closed and secured against climatic influence). In the carriages there are movable obstruction and fixing device (courting) which protects the goods against the damage.
- By road trucks. Canvas covers are used to protect the goods against climatic influence and fixing device (courting) are used to disable the movement and consequent damage of the goods inside the truck.

4.2. Storage

Store the boards in a dry and ventilated area with optimum air humidity of 40 – 65%. The individual board packages must be interlaid, the bottom package should be placed minimum 10 cm above the floor.

5. Disposal of waste generated during particleboards processing

With regards to general obligations imposed by the Act No.185/2001 Coll. (Czech law), on waste, the priority is to search for the material reuse of the respective waste in case that it was not possible to prevent its generation. In this respect those types of waste can be regarded as waste which complies with the requirements stipulated by Kronospan OSB spol. s r. o. Jihlava concerning raw material.

6. Related standards

EN 120	Wood-based panels. Determination of formaldehyde content. Extraction method called the perforator method
EN 310	Wood-based panels. Determination of modulus of elasticity in bending and of bending strength
EN 317	Particleboards and fibreboards – Determination of swelling in thickness after immersion in water EN 318 - Wood based panels. Determination of dimensional changes associated with changes in relative humidity
EN 319	Particleboards and fibreboards – Determination of tensile strength perpendicular to the plane of the board
EN 322	Wood-based panels – Determination of moisture content
EN 323	Wood-based panels – Determination of density
EN 324-1	Wood-based panels – Determination of dimensions of boards. Determination of thickness, width and length.
EN 324-2	Wood-based panels – Determination of dimensions of boards. Determination of squareness and edge straightness

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7. Other information

Protective means fitting to the processing method and technical equipment of the processing plant (protective goggles, respirators, gloves).

8. CE marking

CE	
1393 – CPD – 0271	
KRONOSPAN OSB spol. r. o., Na hranici 6, 586 01 Jihlava 13	
EN 13 986 : 2004 **EN 300** **OSB / 4**	
Tloušťka / Thickness / Dicke :	**12 - 30 mm**
Třída formaldehydu / Formaldehyde class :	**E1**
Reakce na oheň / Reaction to fire:	
8mm - 15 mm	**D-s2, d1**
≥ 18 mm	**D-s1, d0**