

Technical and Material Safety Data Sheet

Date of issue: 02.01.2009
Page: 1/3
Update: 02.01.2009

**PARTICLEBOARDS E-LE - FLAT PRESSED, SANDED,
WITHOUT SURFACE TREATMENT**

1. Information on product**1.1. Product identification**

Particleboards glued with urea-formaldehyde and polyurethane resin, flat hot pressed, sanded on both sides. Boards are characteristic lower emission of formaldehyde. Particleboards are multi-layer boards with demand for surface roughness and surface soundness, with low thickness tolerances. The boards are designed for low-pressure laminating and for special surface finish, especially in furniture industry.

Similar titles: chipboards, PB

1.2. Manufacturer identification

KRONOSPAN CR, spol. s r. o.
Na hranici 6
587 04 Jihlava
Czech Republic
Business ID 62417690

1.3. Contact data for product information

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

2. Information on the composition of the particle board

(specified in kg / 1m³ of unsanded particleboard depending on thickness) :

| | |
|-----------------------------|--|
| Timber substance | - 550 - 640 kg athro – deciduous 10%, coniferous 90% |
| Urea-formaldehyde resin | - 45 - 55 kg (dry matter) |
| PMDI resin | - 5 – 5,5 kg (dry matter) |
| Paraffin | - 2.5 - 3 kg |
| Hardener – ammonium nitrate | - 1.2 kg (dry matter) |
| Water | - 35 litres |

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

3. Property information**3.1. Mechanical-physical properties** - specified on the basis of requirements of EN 13986

- Tensile strength perpendicular to the plane of the board – Internal Bond
- Bending strength
- Modulus of elasticity
- Surface soundness

3.2. Hygienic requirements

Guideline DIBt 100 – “Guideline to classification and inspection of wood based panels regarding to release of formaldehyde”.

Technical and Material Safety Data Sheet

Date of issue: 02.01.2009
Page: 2/3
Update: 02.01.2009



**PARTICLEBOARDS E-LE - FLAT PRESSED, SANDED,
WITHOUT SURFACE TREATMENT**

3.3. Fire properties

The product is classified as D class in accordance with the fire response. Its additional classification according to smoke generation *s2* and particles burning in flame *d0* is expressed as **D-s2, d0**. Flame spread index 89.4 mm/min.

4. Transport and storage instructions**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 in optimum air humidity of 40 – 65%. The boards must be separated with interlays and the bottom pack should be stored min. 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 312 | - Particleboards – Specifications |
| EN 310 | - Wood-based panels. Determination of modulus of elasticity in bending and of bending strength |
| EN 311 | - Particleboards. Surface soundness of particleboards, test method |
| 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 |

Technical and Material Safety Data Sheet

Date of issue: 02.01.2009
 Page: 3/3
 Update: 02.01.2009




PARTICLEBOARDS E-LE - FLAT PRESSED, SANDED, WITHOUT SURFACE TREATMENT

- EN 322 - Wood-based panels – Determination of moisture content
- EN 323 - Wood-based panels – Determination of density
- EN 13986 - Wood-based panels for use in construction - Characteristics, valuation of conformity and marking

7. Other information

Protective aids in accordance with the method of processing and technical equipment of the processing company (protective goggles, respirators, gloves).

8. CE marking

| | |
|--|------------------|
|  1393 – CPD – 0003 | |
| KRONOSPAN OSB spol. r. o., Na hranici 6, 586 01 Jihlava | |
| 04 | |
| EN 13 986 : 2005 | |
| EN 312 | |
| P2 | |
| Tloušťka / Thickness / Dicke : | 8 - 38 mm |
| Třída formaldehydu / Formaldehyde class : | E1 |
| Reakce na oheň / Reaction to fire : | D-s2, d0 |