

Technical and Material Safety Data Sheet

Product: Worktops on chipboard basis with decorative laminate coating (postforming)

1. Information on product

1.1. Product identification

Worktop is constructed from particleboard PB P2 as a supporting substrate covered with postforming laminate. Particleboard PB P2 (E1) is high-density, three-layer particleboard manufactured from specially selected wood chips and high quality urea-formaldehyde resin (UF). Particleboard, sanded on both sides, is covered with postforming laminate on the top and front side and balancing cellulose foil on the bottom side. Joint between laminate and balancing foil is provided with water vapour protection strip.

The laminate surface is characterized by an increased resistance to surface wear, scratching, impact and to dry heat (the temperature of dry hot bottom of the pot).

These worktops have a wide application range in furniture industry kitchen worktops, tabletops, bars and counters.

Similar appellation: Arbeitsplatten (APL)

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
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2. Information on the composition

2.1. Composition of the particle board PB P2 (E1)

(specified in kg / 1m³ of PB) :

Timber substance	- 540 - 630 kg athro – deciduous, coniferous
UF resin	- 40 - 53 kg (dry matter)
Paraffin	- 1.5 - 2 kg
Hardener – ammonium nitrate	- 2-3 kg (dry matter)

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

2.2. Decorative laminate composition

Decorative postforming laminate foils consist of cellulose sheets, impregnated with hardened synthetic resins under heat and pressure.

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3. Property information

3.1. Mechanical-physical properties - surface resistance of postforming laminate comply to general requirements determined in EN 438-3 for laminate type HGP and evaluation methods mentioned in EN 438-2:

- Resistance to surface wear, scratching, impact by small diameter ball
- Resistance to dry heat (180°C) and staining
- Resistance to light fastness, water vapour
- Resistance to cigarette burns.

3.2. Hygienic requirements

Boards comply with formaldehyde emission requirements according to Guideline DIBt 100 – “Guideline to classification and inspection of wood based panels regarding to release of formaldehyde”.

Boards comply with requirements for materials and articles intended to come into contact with food according to EU Regulation (EC) No 1935/2004.

3.3. Fire properties

On the basis of Commission Decision 2003/593/EC of 7th August 2003 the reaction of fire of PB P2 boards are established by Classification without further testing (CWFT). PB P2 is classified as class D within its additional classification according to smoke generation s2 and particles burning in flame d0. Complete classification is expressed as **D-s2, d0**.

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 CR, spol. s r.o. Jihlava concerning raw material.

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6. Related standards

- 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
- EN 322 - Wood-based panels – Determination of moisture content
- EN 323 - Wood-based panels – Determination of density
- EN 120 - Wood-based panels. Determination of formaldehyde content. Extraction method called the perforator method
- EN 438-2 - High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (Usually called Laminates) - Part 2: Determination of properties
- EN 438-3 - High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (Usually called Laminates) - Part 3: Classification and specification for laminates less than 2 mm thick intended for bonding to supporting substrates

7. Other information

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