

Technical Sheet

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WORKTOPS ON CHIPBOARD BASIS WITH DECORATIVE HPL SURFACE, INTERIOR WINDOW SILL

1. Product information

1.1. Product identification

The principal load-bearing material is particle board glued with urea-formaldehyde resin, flat pressed, sanded on both sides. These basis boards are multi-layer. Their surface is finished on the top side with high-pressure laminate HPL with decorative surface. Anti-pull foil is applied on the bottom side. These worktops have a wide application range in furniture industry.

Similar titles:

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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Fax 00420 667 124 132

2. Composition information

2.1. Particle board composition (specified in kg / 1m³ of particleboard) :

- Timber matter - 600 - 640 kg athro – deciduous 20%, coniferous 80%
- Urea-formaldehyde resin - 50 - 65 kg (dry matter)
- Paraffin - 2.5 - 3 kg
- Hardener – ammonium nitrate - 1.2 kg (dry matter)
- Water - 35 l

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

2.2. HPL laminate composition

Decorative high-pressure laminate foils in accordance with EN 438 (identified as HPL) consist of cellulose strips, impregnated with hardened synthetic resins under heat and pressure. Surface of HPL foil is usually decorative.

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3. Property information

3.1. Mechanical-physical properties - specified on the basis of requirements of EN 312

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

3.2. Technical property requirements – surface compactness pursuant to EN 438-2

3.3. Hygienic requirements

Directive DIBt 100 – “Directive on board classification and checks for boards based on timber pursuant to formaldehyde release”.

3.4. 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 56 mm/min.

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 (coupling) which protects the goods against the damage.
- By road trucks. Canvas covers are used to protect the goods against climatic influence and fixing device (coupling) 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 Republic), 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.

Firma je zapsána v obchodním rejstříku vedeném Krajským soudem v Brně, oddíl C, vložka 19016. Spisová značka Firm 11105/95.



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If there are no technical or economical prerequisites, on the spot of waste generation, to meet the obligations to reuse the material waste from chipboards in preference, it is necessary to utilize it as a fuel to generate the energy in special facilities intended for this purpose.

“KRONOSPAN CR” Company is able to provide for the processing of this waste in the form of backward take-off.

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 438-2 - High-pressure decorative laminates (HPL) - Sheets based on thermosetting resins (Usually called Laminates) - Part 2: Determination of properties
- ČSN 29 9030 - Handling and storage

7. Other information

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