



TECHNICAL DOCUMENT

GENERAL RECOMMENDATIONS FOR MELAMINE FACED PARTICLE BOARDS | MFC

This document describes the composition of Innovus MFC and provides guidance for handling, processing, using and disposal.

Innovus MFC panels are not hazardous substances in terms of the Chemicals Act. A special labelling is not required, as well as a safety data sheet is not mandatory.

DESCRIPTION / COMPOSITION

Innovus MFC (melamine faced chipboard) is a coated particleboard and consists of approx. 90% wood, 9% resin and 1% paper.

TRANSPORTATION AND STORAGE

No special precautions are required for transport and storage. Innovus MFC panels are to be stored in closed (storage) rooms, protected from moisture, under normal climatic conditions.

In terms of transport regulations, Innovus boards are not dangerous goods, so special identification is not necessary.

PROCESSING AND HANDLING

Regarding the dust extraction and fire protection, the safety regulations must be controlled during Innovus MFC processing (cutting, drilling, edging, etc.).

Since the panels are mostly made of wood, the formation of wood dust is to be expected during production process. Protective equipment as goggles, dust mask, gloves and eventually safety shoes are recommended.

ENVIRONMENTAL ASPECTS IN THE APPLICATION

Innovus MFC are ecologically harmless. The raw materials used to produce the particleboard are different wood species.

The recycled wood is subjected to a strict inspection for halogenated organic compounds.

The production of the wood-based panels is carried out without the use of halogen-organic hardeners.

After production, the panels are tested in an internal laboratory according to specific quality guidelines.

The panels comply with the Chemical Regulations, and do not contain any active substances from wood preservatives in unacceptable concentration level.

The formaldehyde content of the Innovus MFC corresponds to emission class E1 as standard. Special productions in Carb 2 / TSCA quality are available on request.

The coating of Innovus MFC is harmless to health.

It consists of melamine-resin-impregnated decorative papers. When pressed with pressure and heat, the pre-condensed melamine resin is completely cured and can't be dissolved neither in water nor in solvents. For the design of the decors only organic colour pigments and white pigment titanium dioxide (TiO₂) are used.

FIRE

The ignition temperature of wood based panels is approx. 400 ° C.

According to EN 13986, Innovus MFC is classified as D-s2, do from a thickness of 9 mm. According to the national German standard DIN 4102 Part 4 "Fire behavior of building materials and components", Innovus MFC panels must be classified in building material class B2 (normal-flammable building materials).

In case of fires, the same fire fighting techniques can be used as for other wood-like building materials.

Due to the high proportion of wood, the composition of the flue gases is comparable to that of wood.

Incomplete combustion, as with any other organic material, may contain toxic substances in the smoke.

DISPOSAL

Innovus MFC panels can be used as biomass waste in accordance with the biomass regulation.

Innovus MFC panels will burn to water, carbon dioxide and nitrogen oxides when completely burned out (at 700 ° C). Such conditions are ensured by modern, officially approved industrial furnaces. The ashes from these incineration processes can be transferred to controlled landfills.

CARE AND CLEANING

The dense, hygienic and highly resistant melamine surfaces of Innovus MFC require no special care.

Regular cleaning of the surfaces is recommended - depending on the type of use. Suitable agents are all commercially available surfactant-based cleaners, as far as they contain no abrasive components. These are detergents, liquid cleaners and soaps. In addition, organic solvents such as spirit, benzine or acetone (nail polish remover) can be used.

Furniture polishes, detergents containing grease and wax tend to fill in surface textures and build up a dirt-binding layer and therefore must not be used.

In addition to scouring agents, no strong acids or bleaches should be used for cleaning. The instructions given on the packaging must be observed. When using volatile substances, ensure adequate ventilation. For cleaning use only soft, non-abrasive cloths or sponges.

CLEANING TABLE

PROBLEM	SOLUTION	SPECIAL CARES
Dust, dirt, grease, coffee, tea, juice, leftovers.	Usual cleaning agents without abrasive additive.	
Lime, rust.	Vinegar or citric acid (10%).	Attention! Do not leave on for a long time. For stubborn stains repeat several times.
Oil, wax, fingerprints, felt-tip pen, ballpoint pen, nicotine, rubber abrasion.	Organic solvents e.g. acetone, benzine or spirit.	Attention! Ensure adequate ventilation, observe accident prevention regulations.
Water-soluble paints, stains, adhesives.	Hot water or org. solvents.	Attention! Ensure adequate ventilation, observe accident prevention regulations.
Solvent-based paints, varnishes, adhesives.	Organic solvents e.g. acetone, benzine or spirit.	Attention! Ensure adequate ventilation, observe accident prevention regulations.
Silicone and sealants.	Rub dry and or silicone remover.	Attention! Observe application instructions.

NOT ALLOWED TO BE USED: Shaving agents, polishes, bleaches, strong acids and their salts, descaler, drain cleaner, oven cleaner, silver cleaner.

The information corresponds to the current state of our knowledge and should inform about our product. They are not intended to assure certain properties of the products or their suitability for specific purposes. Any existing industrial property rights must be taken into account. We guarantee perfect quality within the scope of our general conditions of sale.

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