

Product Handling Information Sheet

Aluverbundplatte

Product Information

Product / Article	Technical semi-finished product (sheet material)
Short designation	Aluminium Composite Panel (PE Core)
Material characterization	Aluminium-plastic composite material (sandwich construction)
Main components	Aluminium face sheets (EN AW-5005A), core of polyethylene (PE-LD)
Components subject to labelling	none

Product Properties

Form / State	solid, sheet form
Colour	depends on coating (coil coating)
Odour	odourless
Service temperature range	-50 °C to +80 °C
Burning behaviour (building material class)	B-s2,d0 (EN 13501-1) / B2 (DIN 4102-1) – normal flammability
Thermal decomposition	–
Flash point	–
Ignition temperature	–

Hazard Information

Particular hazards to humans and the environment	none in the condition as supplied; mechanical processing (sawing, routing) may generate dust and swarf
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First-Aid Measures

Skin contact	No particular measures required in the solid state. In case of cuts from sharp edges or swarf, clean the wound and treat as a mechanical injury.
Eye contact	In case of contact with dust or swarf, rinse the open eye with clear water for several minutes; consult a doctor if irritation persists.
Inhalation	In case of dust generation during processing, ensure fresh air supply; consult a doctor if symptoms persist.
Ingestion	not relevant in the condition as supplied

Handling and Storage

Handling	Sawing, routing, drilling, folding, grooving and rolling are possible with the tools commonly used for aluminium composite panels. Ensure adequate extraction of aluminium and plastic swarf during sawing and routing; avoid ignition sources (e.g. sparks) when machining the aluminium. Protect against sharp cut edges (wear gloves).
Storage	store flat, level and dry, protected from direct sunlight and weather; leave the protective film in place until further processing
Safety measures	ensure adequate dust/swarf extraction when sawing and routing; wear safety glasses and gloves
Shelf life	unlimited when stored correctly

Personal Protective Equipment

Respiratory protection	particle-filtering half mask recommended for processing that generates dust (sawing, routing, sanding)
Hand protection	protective gloves during handling due to sharp cut edges
Eye protection	safety glasses during machining
Other protective measures	provide suitable extraction at the workstation

Transport

Transport	Not classified as dangerous goods within the meaning of transport regulations.
Packaging of the finished product	–

Fire-Fighting Measures

Suitable extinguishing media	Water, foam, dry powder extinguishing agents, CO ₂
Possible combustion products	Carbon monoxide, carbon dioxide; incomplete combustion may release further decomposition products of the PE core
Required protective equipment	Firefighters and other persons exposed to combustion products should wear full protective clothing and self-contained breathing apparatus.
Note	The PE core may melt and drip while burning in the event of fire. Dispose of fire residues and contaminated extinguishing water in accordance with local regulations.

Disposal

Recyclability	Aluminium and the PE core can generally be separated and recycled; check the possibility of material-specific recovery.
Classification per European Waste Catalogue (EWC)	The product is not classified as hazardous.
Disposal	Landfill, incineration or material recovery in accordance with applicable national and local regulations.
Waste code (EWC)	• 17 04 02 – Aluminium • 12 01 05 – Plastics shavings and turnings

Labelling

Labelling per EC Directive	not subject to labelling requirements
CE marking	present

REACH Information

Classification	Under EC Regulation 1907/2006 (REACH), Article 3(3), our products are clearly defined as “articles” and are exempt from the registration requirement.
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Other Information

Note	All information above is based on our current knowledge and does not constitute an assurance of specific properties. It is the responsibility of the recipient of our products to comply with the applicable laws and regulations.
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