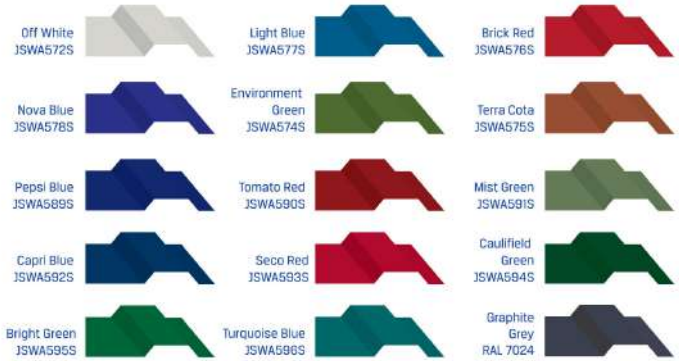
A Wide Range of Colours

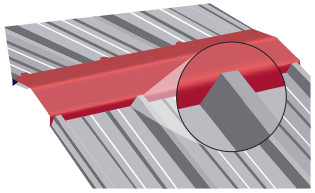


Product Specifications

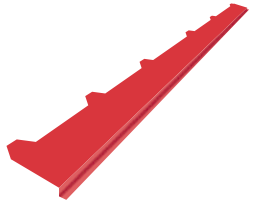
Thickness (mm)	Roof Panel: 30 mm & 50 mm Wall Panel: 50 mm upto 150 mm
Width (mm)	Roof Profile: 1060 mm Tile Profile: 1100 mm Wall Profile: Upto 1200 mm
Steel Supplied by	JSW COLOURON+

Fundamental Product Structure for Colour-Coated Galvalume

Accessories



Ridge Cap



End Cap

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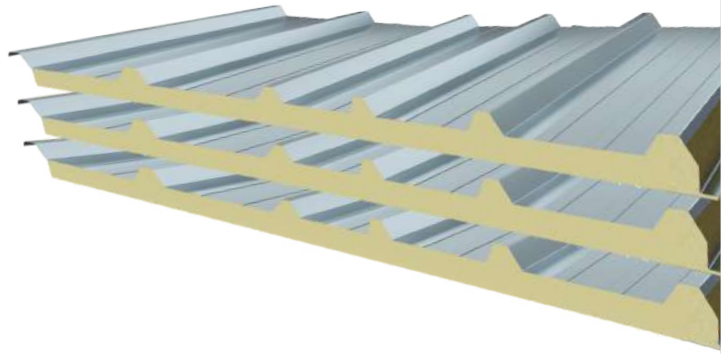


Sandwich panels

Technical catalogue

JSW | explore
Infinite Possibilities

JSW

General Information

Sandwich panels may be used for building walls and roofs of buildings and also for building enclosures of industrial equipment, air conditioning devices, etc. Such panels are manufactured in a continuous process of joining the insulating core with external lining, most often metal plates. The final product is a sandwich panel consisted of several layers. Metal lining protects against weather conditions, such as rain or snow and also performs decorative function. These panels are also resistant to corrosive factors. They keep their parameters when exposed to moisture, steam, snow, chemicals or other difficult conditions.The core, made of PUR Polyurethane foam, IPR Polyisocyanurate foam, guarantees thermal and acoustic insulation. When joined with the lining, it becomes a barrier protecting against fire, debris load, wind, temperature and other factors.

User gets numerous benefits, using sandwich panels in building roofs and walls:

Perfect insulating properties. Thermal conductivity λ of panels with polyisocyanurate foam core is 0,020 W/m*K.

Perfect protection against weather conditions, maintaining properties and appearance for many years. When coating is properly selected for local conditions, several years' durability of panels may be reached without any problem.

Leakproofness - water, snow and damp will not get inside. Perfectly finished joints ensure complete leakproofness for many years, if installation standards are followed.

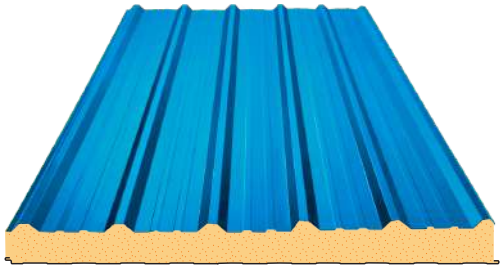
Noise insulation. Properly selected core material can give very good noise insulation parameters. They are particularly important if insulation of outside noise, reduction of industrial noise propagation to the outside of the building or noise reduction within the building is required.

Fire protection properties according to the needs. Proper type of core can ensure reaching fire resistance class. This enables protection of escape routes, separation of fire compartments from each other.

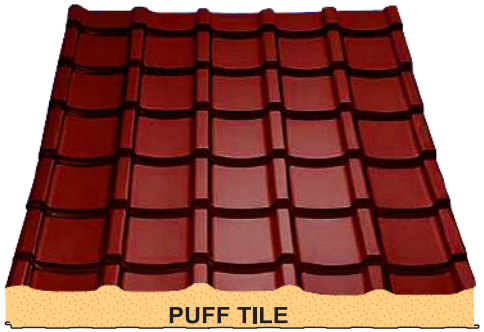
Easy and quick installation, low construction costs, operating costs lower than in other buildings. 50 mm thick IPR foam panel has the same heat-transfer coefficient U as a 75 cm thick aerated concrete wall, 60 cm thick structural clay tile wall or a 190 cm thick brick wall.

We have managed to combine all these benefits to the user with benefits to the natural environment. Entire power input in the production of the material used for thermal insulation of the building pays for itself after two or three years from installation, on average. Materials used in production are recyclable. Steel may be reused successfully, waste core materials can also be recycled, while production of the panels itself is not harmful to the environment.

Roof Profiles

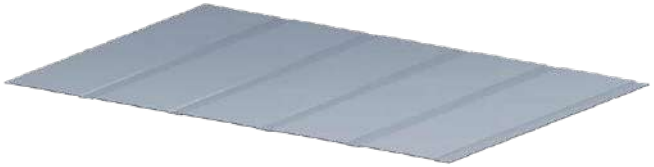


1060 width PUFF SHEET

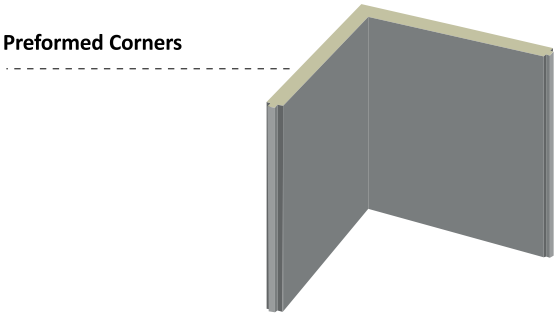


1100 width

Wall Profile

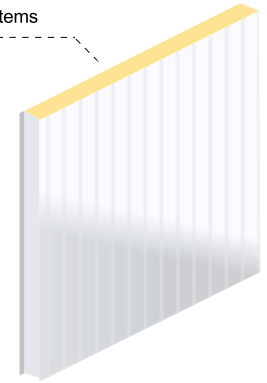


Performed Corners



Controlled Environments

Delta Temp
Temperature
Controlled Systems



Delta
Cleanroom
Systems

Delta
Walk-In
Coldrooms