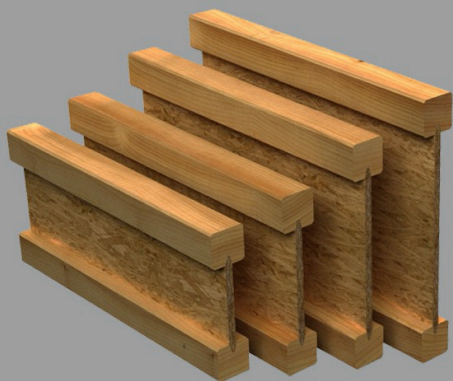


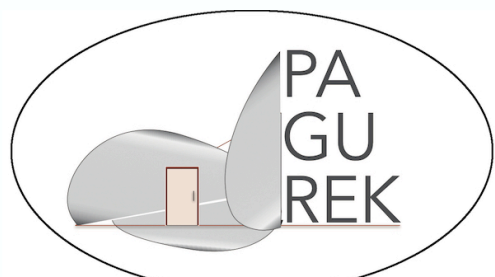
I-BEAMS



I-BEAMS

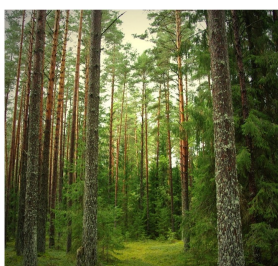
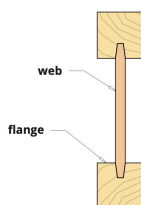


SYSTEMS

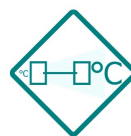


WHAT IS I-BEAMS?

The **DUDEK I-beam** has been constructed by connecting two flanges made of strength graded structural timber and an OSB board web. The high quality materials and our long-time experience in woodprocessing allowed us to create a wooden I-beam of high strength parameters. I-beams are especially recommended for energy-efficient buildings and passive houses.



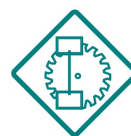
ADVANTAGES OF DUDEK I-BEAMS



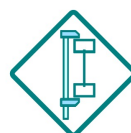
REDUCTION OF COLD BRIDGES



LOW SELF WEIGHT



ELEMENTS PROCESSED WITH SIMPLE TOOLS



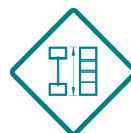
MINIMAL DIMENSIONAL DEVIATIONS



EXCELLENT STRENGTH PARAMETERS



WITH INSULATION FILLING



DURABILITY SIMILAR TO SOLID WOOD



POSSIBILITY OF FIXING THROUGH CENTRE OF THE BEAM



POSSIBILITY OF CONSTRUCTION IN WINTER

CERTIFICATES:



APPLICATION

Used for timber frame and traditional constructions as:
 floor beams, roof beams (rafters), wall studs.
 Especially recommended for energy-efficient buildings and passive houses.



WALL

Wall made of **Dudek I-beams** are both extremely durable and warm. The application of the double T-section has practically eliminated the problem of linear cold bridges in frame buildings. The facade of wooden houses resembles timber logs or siding. It is also possible to build the facade of a wooden building in plasterwork, clinker brick, or siding.



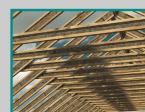
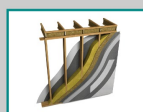
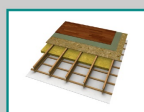
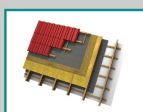
FLOOR

Floor construction with the use of **Dudek I-beams** allows for the creation of large living spaces. The use of high quality materials eliminates dimensional deviations responsible for squeaking floors. The high mechanical strength reduces beam deflection which often causes cracks in the ceiling at the joint of two plasterboards. The floor layers can be chosen to allow for a desired floor finish: ceramic tiles, floor panels, or according to the Client's wishes.



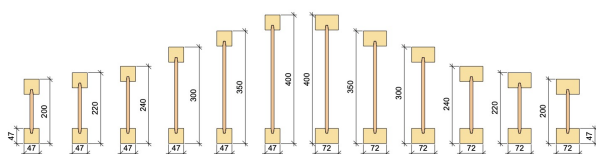
ROOF

Dudek I-beams function perfectly as rafters in single- and multi-family buildings. The excellent strength and insulation parameters place our I-beams above traditional rafters of rectangular cross-section. Dudek I-beams can be used in all types of roofs, such as flat roofs, pent roofs, double-sided roofs, and hip roofs. Also any type of the finishing layer is possible: ceramic or concrete roof tiles, steel sheet roofing, and roofing felt.



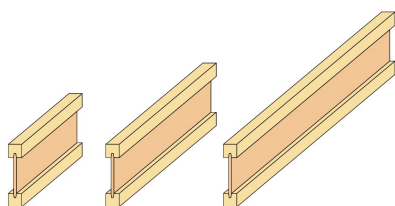
OFFER

OUR RANGE OF PRODUCTS

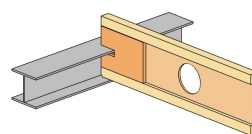
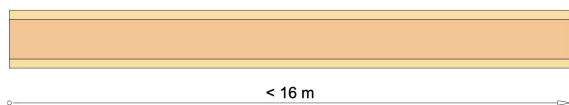


I-BEAMS

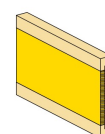
Possible for individual customer orders



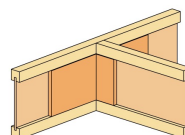
Length up to 16 m



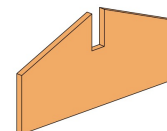
**PREPARATION OF JOINTS,
CREATION OF HOLES**



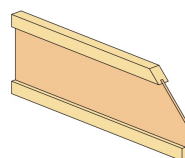
BEAMS WITH INSULATED WEB



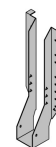
**BEAM FILLINGS
AND REINFORCEMENTS**



DESIGN OF CONNECTIONS



PRECISE CARPENTRY CUTS



FIXING ACCESSORIES

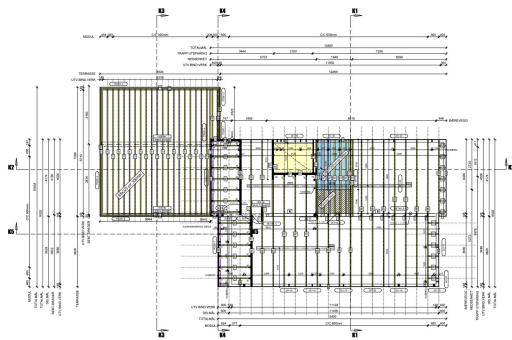


TECHNICAL SUPPORT AND PLANNING

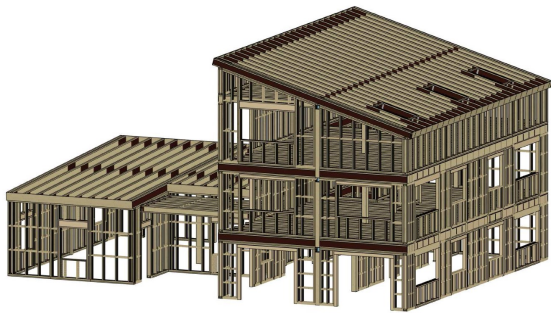
Customer Service Department Dudek I-beams offers help in planning and designing your building project. We support you in the selection of suitable construction technologies and materials, and offer also assistance in the preparation of design, assembly and logistics documentation. Before you start your next project implementation, we invite you to contact us. We will help you to plan an effective and sustainable project.

INVESTMENT STAGES

1. PROJECT DOCUMENTATION



2. 3D MODELLING



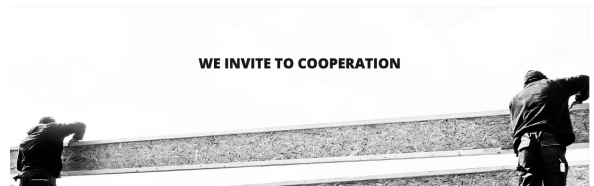
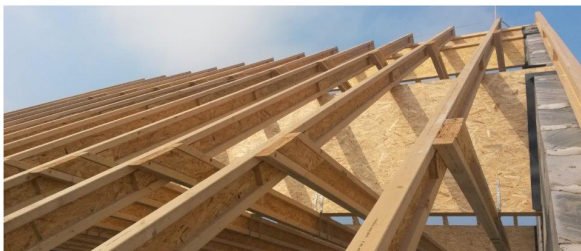
3. CONSTRUCTION



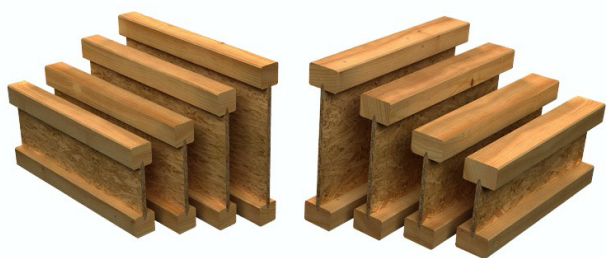
4. PROJECT REALISATION



EXAMPLE IMPEMENTATIONS



WE INVITE TO COOPERATION

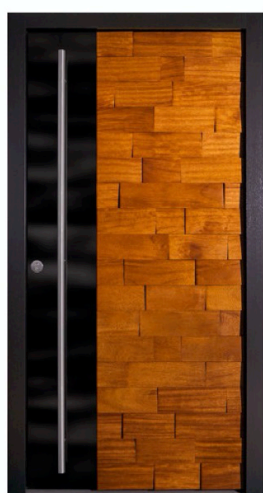


I-BEAMS
WOODEN GIRDERS



WINDOWS

EXTERIOR DOORS



Pagurek.com
Info@Pagurek.com

INTERIOR DOORS

