ARBOX® Joint Reinforcement

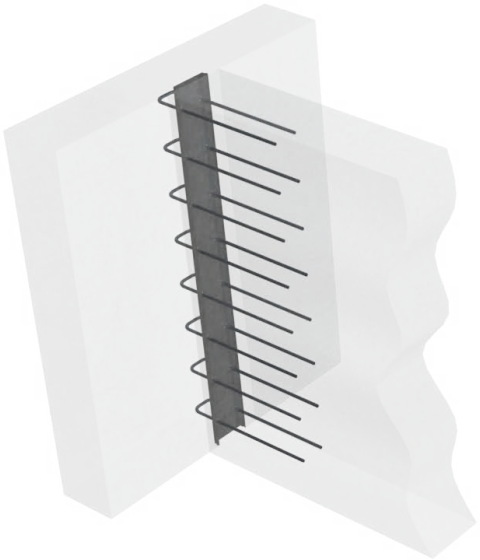
Effective Rebar Connection for Concrete Structures

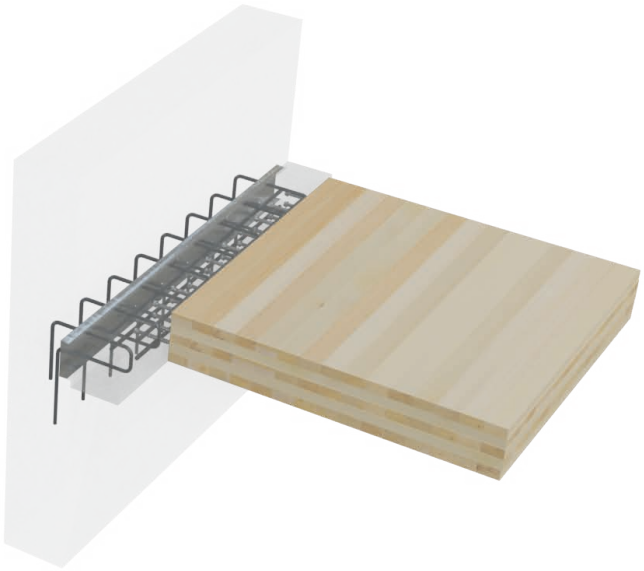
- Cost- and time-effective installation to the formwork
- Ensuring the continuity of reinforcement at connections between concrete components
- Simple formwork design and joint design
- Transfer of longitudinal and transverse shear forces to the joint
- Highest possible resistance class with rough and indented surfaces according to EN 1992-1-1, Section 6.2.5

ARBOX® Joint Reinforcement is a system for creating connections between concrete elements. The unit is used to simplify formwork at construction joint in reinforced concrete structures. Pre-bent rebars are installed into a galvanized steel box that can be easily attached to formwork without the need to drill holes or make other adjustments to the formwork.

Pre-bent rebars are straightened when required and the process can be continued by overlapping rebars with the main reinforcement of the connected concrete member. This system provides a high production speed with reliable quality for concrete connections in both cast-in-situ and precast structures, as well as for combinations of concrete and CLT materials.

ARBOX® is available with two different surface roughness options. **ARBOX® Plus** features a surface classified as **Rough** in the longitudinal direction and **Indented**, the highest possible, in the transverse direction. The second variant, ARBOX® Strong, offers **Indented** surface properties in the longitudinal directions. Width of the boxes are available from 45 mm up to 225 mm. Various shapes of the rebars with diameters of 8 mm, 10 mm and 12 mm, make this system highly versatile. **ARBOX® Plus** combined with **MODIX® Rebar Coupler** is available up to diameter 20 mm. The suitable ARBOX® Joint Reinforcement model can be easily selected by using tables in the ARBOX® Joint Reinforcement Technical manual based on required resistance and dimensions.





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