

RECOSTAL® Keyboard XLS/XLS-D

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RECOSTAL® Keyboard XLS units are designed for the installation of isolation joints in industrial floor slabs and deck slabs with controlled cracks along the joint. The trapezoidal profile induces a key-profiled control joint. A sinusoidal edge protection profile with an amplitude of 75 mm forms the top of the unit to prevent spalling of concrete edges and to ensure vibration and shock-free passage of mobile materials handling trucks with different types of wheels over the construction-related joints in large-area industrial floor slabs. To withstand stronger shear forces, the RECOSTAL® Keyboard XLS unit can also be equipped with dowel bars. The available RECOSTAL® Keyboard XLS-D variant is used to create dilatations.

Main Characteristics

- Trapezoidal profile
- Sinusoidal edge protection
- Fast Installation
- Special types and sizes on request
- Adjustable height with KBS formbrace
- Optional dowel bars, sleeves and openings
- Joint expansion up to 12 mm
- For RECOSTAL® Keyboard XLS-D variant, standard dilatation thickness 1 cm

Technical Data

- Material: Galvanized steel sheet
- Edge protection material: Black steel with welded bolts
- Unit length: 300 cm
- Dilatation: Styrofoam 1 cm (different thickness on request)
- Packaging: packed on pallets, shrink wrapped
- Unit height = 120 - 265 cm
- Storage: no limitation

| Keyboard Type | Formbrace Type | Unit Height [mm] | Slab Height [mm] |
|---------------|----------------|------------------|------------------|
| XLS 150 | KBS 150 | 120 | 150 |
| XLS 180 | KBS 180 | 145 | 180 |
| XLS 200 | KBS 200 | 165 | 200 |
| XLS 250 | KBS 250 | 215 | 250 |
| XLS 300 | KBS 300 | 265 | 300 |

Installation

The RECOSTAL® Keyboard KBS formbraces are positioned at distances of approx. 1.00 m (note sticker pointing out direction) and rigidly fixed with pegs and/or mortar. Then the RECOSTAL® Keyboard units are placed into the formbraces, adjusted in height and lap joints are fixed with the plastic screws included in the delivery. After that the plastic cap strips are attached to the unit.

Associated System Products

- Dowel sleeve, PVC, for dowel bars Ø 16 mm
- Dowel sleeve, PVC, for dowel bars Ø 20 mm
- Dowel bar Ø 16 mm
- Dowel bar Ø 20 mm
- KBS formbrace

Related Products

- RECOSTAL® Keyboard XL/XL-D
- RECOSTAL® Keyboard XLV/XLV-D
- RECOSTAL® Keyboard XLW/XLW-D
- Prefabricated Cross or T-shaped units

Safety/ Recommendations*

Wear protective gloves

*The recommendations relating to the application and end-use of our products are based on our current knowledge and experience of the products when properly stored, handled and applied under normal conditions. No warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any other advice offered. The user shall rely on his or her own information and tests to determine suitability of the product for the intended use. We reserve the right to update information due to technical progress.