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Manufacturer's Declaration

for temporary works calculation of Stremaform® formwork elements

By this Manufacturer's Declaration, MAX FRANK GmbH & Co. KG confirm that all products within the range of our Stremaform® formwork elements fulfil the ultimate limit state design according to the temporary works calculation (static report) dd. 24.01.2020, project: 460/2017 T.

The static verifications in the ultimate limit state were carried out for a

- maximum fresh concrete pressure σ_{hk,max} = 45 kN/m²
 (thickness h ≤ 2000 mm or installation dimension ≤ 1800 mm)
- maximum fresh concrete pressure σ_{hk,max} = 32,7 kN/m²
 (thickness h ≤ 3800 mm or installation dimension ≤ 3600 mm)

in compliance with the following boundary conditions:

- hydrostatic fresh concrete pressure σ_{hk,max,hydr} = γ_c * H
- specific weight (bulk density) of the fresh concrete pressure γ_c = 25 kN/m³
- adherence to the product-specific installation instructions for Stremaform[®] formwork elements acc. to MAX FRANK Homepage www.maxfrank.com.

According to DIN 18218 or CIRIA Report 108, the admissible rate of pouring v [m/h] is determined by the load-bearing capacity (hydrostatic or maximum fresh concrete pressure) of the Stremaform® formwork elements and the final setting of the used concrete.

The following Stremaform® design variants have been demonstrated (image 1)

- Stremaform[®] formwork elements with an intermediate stiffening up to an installation dimension of ≤ 500 mm (installation dimension > 300 ≤ 500 mm: intermediate stiffening with a stirrup for Stremaform[®] formwork elements with a sealing)
- Stremaform[®] formwork elements with a stiffening up to an installation dimension of ≤ 800 mm



 Stremaform® formwork elements with a stiffening and back anchoring up to an installation dimension of ≤ 3600 mm

Bracing depending on the installation dimension

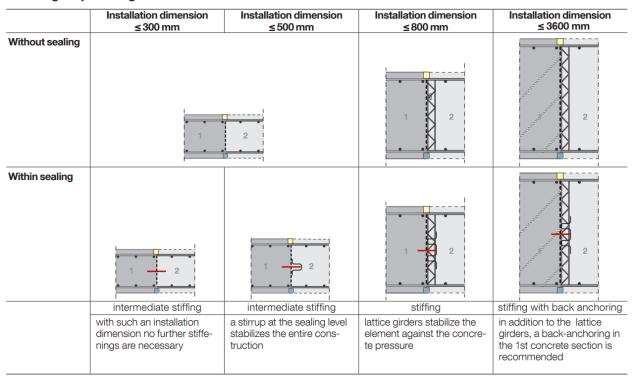


Image 1: Stremaform® design variants

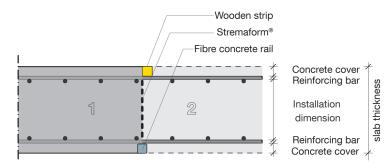


Image 2: Difference between the installation dimension and slab thickness

MF Product Management