## Loads

Type

FWS II - A 180

FWS II - A 205

FWS II - A 230

Weather facing reconstruction system FWS II

skin

h<sub>ef</sub>≥

[mm]

70

70

70

<sup>3)</sup> For bigger insulation thicknesses special lengths are possible.

## Permissible shear loads<sup>1) 2)</sup> for a single anchor in a load-bearing skin made of concrete $\geq$ C12/15. For the design the complete approval Z-21.8-2029 has to be considered.

depth in the load-bearing

Effective anchorage Thickness of Thickness of Thickness of

h,≥

[mm]

80

80

80

<sup>4)</sup> The determination of the permissible shear load for special lengths is done according Annex 3 and 4 of the approval.

5) For exact arrangement of the bolts as well as for eventually needed additional proofs see approval.

load-bearing layer

thermal insula-

tion3)

h<sub>n</sub> ≤

[mm]

70

95

120

1) Required safety factors are considered. The given loads are valid under the pre-condition that an additional thermal insulation will be applied on the weather facing.

outer leaf

h<sub>w</sub>≥

[mm]

40

40

40

<sup>2</sup>) The given loads are valid for fixations in dry and humid concrete for temperatures in the substrate up to +50 °C (resp. short term up to 80 °C) and drillhole cleaning according to approval.

Cracked and non-cracked concrete

Mindestrand-

abstand5)

 $C_{min}(C_{w},C_{T})$ 

[mm]

150

150

150

Permissible

shear load4)

[kN]

11.5

95

8.1

Permissible

M

[Nm]

1310

1310

1310

bending moment