RO 36569865
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FORTEM
BUILDING SOLUTIONS

FIRE RESISTANCE OF MASONRY WALLS
Constructed with FORTEM AAC in accordance with SR EN 1996-1-2:2005/NA:2012

Name product	Shape and profile	Densitaty kg/mc	Dimensions(mm)			EI*Criterion (non-loadbearing walls)	REI* Criterion (loadbearing walls) α≤1 α≤0.6	Thermal load density (q)(MJ/m²)
			Width	Length	Hight			
Fortem	PLANE	450 ± 25	100	600	250	120	-	-
Fortem	PLANE	450 ± 25	125	600	250	120	-	-
Fortem	PLANE Tongue-and-Groove	450 ± 25	150	600	250	180	-	-
Fortem	PLANE	450 ± 25	200	600	250	240	-	-
Fortem	PLANE	450 ± 25	250	600	250	240	-	-
Fortem	PLANE Tongue-and-Groove	450 ± 25	300	600	250	240	-	-
Fortem	PLANE	450±25	400	600	250	240	-	-
Fortem	PLANE	500 ± 25	100	600	250	120	120RE 120REI 120 REI-M 120 REW	841÷1680
Fortem	PLANE	500 ± 25	125	600	250	120	180RE 180REI 180 REI-M 180 REW	841÷1680
Fortem	PLANE Tongue-and-Groove	500 ± 25	150	600	250	180	180RE 180REI 180 REI-M 180 REW	>1680
Fortem	PLANE	500 ± 25	200	600	250	240	240RE 240REI 240 REI-M 240 REW	>1680
Fortem	PLANE	500 ± 25	250	600	250	240	240RE 240REI 240 REI-M 240 REW	>1680
Fortem	PLANE Tongue-and-Groove	500± 25	300	600	250	240	240RE 240REI 240 REI-M 240 REW	>1680
Fortem	PLANE	500±25	400	600	250	240	240RE 240REI	>1680

Values above are calculated in accordance with SR EN 1996-1-2:2005.

- **EI criterion – non-loadbearing walls serving as fire separators**
- **REI criterion – loadbearing walls serving as fire separators**

The values in the table are provided as recommended references for the project's qualified designer, who is responsible for selecting and applying the appropriate solution in full compliance with all project requirements.

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