

Declaration of Performance Nr. **DoP_en_2019** – Declared performance component

Component	Resistance to fire	U [W/m²K]	R_T [m²K/W]	Vapour permeability and moisture resistance	R_w [dB]	L_{n,w} [dB]
External wall						
ew_v_in_wf_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,296	apt	≥ 51(battens fastened shifted or crossed) ≥ 44(battens directly fastened on the structural timber)	-
ew_v_in_mw_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,198	apt	≥ 51(battens fastened shifted or crossed) ≥ 44(battens directly fastened on the structural timber)	-
ew_v_in_wf_02	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,296	apt	≥ 51(battens fastened shifted or crossed) ≥ 44(battens directly fastened on the structural timber)	-
ew_v_in_mw_02	REI NPA with h GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,198	apt	≥ 51(battens fastened shifted or crossed) ≥ 44(battens directly fastened on the structural timber)	-
ew_p_in_wf_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,209	apt	≥ 52(battens fastened shifted or crossed) ≥ 49(battens directly fastened on the structural timber)	-
ew_p_in_mw_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,115	apt	≥ 52(battens fastened shifted or crossed) ≥ 49(battens directly fastened on the structural timber)	-

Component	Resistance to fire	U [W/m²K]	R_T [m²K/W]	Vapour permeability and moisture resistance	R_w [dB]	L_{n,w} [dB]
w_p_in_wf_02	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,209	apt	≥ 52(battens fastened shifted or crossed) ≥ 49(battens directly fastened on the structural timber)	-
ew_p_in_mw_02	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,115	apt	≥ 52(battens fastened shifted or crossed) ≥ 49(battens directly fastened on the structural timber)	-
ew_p_in_wf_mwpt_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,209	apt	≥ 52(battens fastened shifted or crossed) ≥ 49(battens directly fastened on the structural timber)	-
ew_p_in_wf_mwpt_02	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,209	apt	≥ 52(battens fastened shifted or crossed) ≥ 49(battens directly fastened on the structural timber)	-
ew_p_in_mw_mwpt_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,115	apt	≥ 52(battens fastened shifted or crossed) ≥ 49(battens directly fastened on the structural timber)	-
ew_p_in_mw_mwpt_02	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,115	apt	≥ 52(battens fastened shifted or crossed) ≥ 49(battens directly fastened on the structural timber)	-
ew_p_in_wf_cork_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,209	apt	≥ 52(battens fastened shifted or crossed) ≥ 49(battens directly fastened on the structural timber)	-

<u>Component</u>	<u>Resistance to fire</u>	<u>U [W/m²K]</u>	<u>R_T [m²K/W]</u>	<u>Vapour permeability and moisture resistance</u>	<u>R_w [dB]</u>	<u>L_{n,w} [dB]</u>
ew_p_in_wf_eps_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,209	apt	≥ 45(battens fastened shifted or crossed) ≥ 42(battens directly fastened on the structural timber)	-
ew_p_in_mw_eps_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,16	6,115	apt	≥ 45(battens fastened shifted or crossed) ≥ 42(battens directly fastened on the structural timber)	-
ew_p_wf_wf_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,20	5,069	apt	≥ 51	-
ew_p_wf_mw_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,20	4,998	apt	≥ 51	-
ew_p_wf_wf_02	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,20	5,069	apt	≥ 51	-
ew_p_wf_mw_02	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,20	4,998	apt	≥ 51	-
ew_p_wf_mwpt_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,20	5,069	apt	≥ 51	-

Component	Resistance to fire	U [W/m²K]	R_T [m²K/W]	Vapour permeability and moisture resistance	R_w [dB]	L_{n,w} [dB]
ew_p_mw_mwpt_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,20	4,998	apt	≥ 51	-
ew_p_mw_cork_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,20	4,998	apt	≥ 51	-
ew_p_wf_cork_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,20	5,069	apt	≥ 51	-
ew_p_wf_eps_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,20	5,069	apt	≥ 44	-
ew_p_mw_eps_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,20	4,998	apt	≥ 44	-
ew_p_clt_in_wf_01	REI 60 with 5 layer CLT	0,25	4,005	apt	≥ 42	-
ew_p_clt_in_mwpt_01	REI 60 with 5 layer CLT	0,25	4,005	apt	≥ 42	-
External wall/Internal wall						
w_wf_mw_raw_01	NPA	NPA	NPA	NPA	NPA	-
Internal wall						
w_raw_01	NPA	NPA	NPA	NPA	NPA	-
w_clt_raw_01	NPA	NPA	NPA	NPA	NPA	-

Component	Resistance to fire	U [W/m²K]	R_T [m²K/W]	Vapour permeability and moisture resistance	R_w [dB]	L_{n,w} [dB]
iw_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	NPA	NPA	NPA	NPA	-
iw_02	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	NPA	NPA	NPA	NPA	-
Internal wall/Separation wall						
sw_mw_01	REI NPA with GKB REI 60 with 1x12,5mm GKF/GF REI 90 with 2x1,25 GKF/GF	0,18	5,565	apt	≥ 59	-
Internal floor						
d_raw_01	NPA	NPA	NPA	NPA	NPA	-
Internal floor/Roof						
d_raw_02	NPA	NPA	NPA	NPA	NPA	-
d_raw_03	NPA	NPA	NPA	NPA	NPA	-
Roof						
r_raw_01	NPA	NPA	NPA	NPA	NPA	-
r_raw_02	NPA	NPA	NPA	NPA	NPA	-
r_raw_03	NPA	NPA	NPA	NPA	NPA	-
r_raw_04	NPA	NPA	NPA	NPA	NPA	-
r_s_01	NPA	0,26	3,869	apt	≥ 41 with roofing tiles	-

Component	Resistance to fire	U [W/m²K]	R_T [m²K/W]	Vapour permeability and moisture resistance	R_w [dB]	L_{n,w} [dB]
r_s_wf_02	NPA	0,20	5,040	apt	≥ 42 with roofing tiles	-
r_s_mw_02	NPA	0,20	5,040	apt	≥ 42 with roofing tiles	-
r_wf_01	REI NPA with GKB or wooden cladding REI 30 with 1x12,5mm GKF/GF e with ≥80/200 REI 60 with 2x1,25mm GKF/GF e with ≥80/200	0,17	6,065	apt	≥ 48 with ≥80/200 & tiles ≥ 46 with ≥80/200 & metal sheet/bitumen	-
r_mw_01	REI NPA with GKB or wooden cladding REI 30 with 1x12,5mm GKF/GF and with ≥80/200 REI 60 with 2x1,25mm GKF/GF and with ≥80/200	0,17	6,065	apt	≥ 48 with ≥80/200 & tiles ≥ 46 with ≥80/200 & metal sheet/bitumen	-
r_wf_02	REI NPA with GKB or wooden cladding REI 30 with 1x12,5mm GKF/GF and with ≥80/200 REI 60 with 2x1,25mm GKF/GF and with ≥80/200	0,13	7,732	apt	≥ 50 with ≥80/200	-
r_mw_02	REI NPA with GKB or wooden cladding REI 30 with 1x12,5mm GKF/GF and with ≥80/200 REI 60 with 2x1,25mm GKF/GF and with ≥80/200	0,13	7,732	apt	≥ 50 with ≥80/200	-