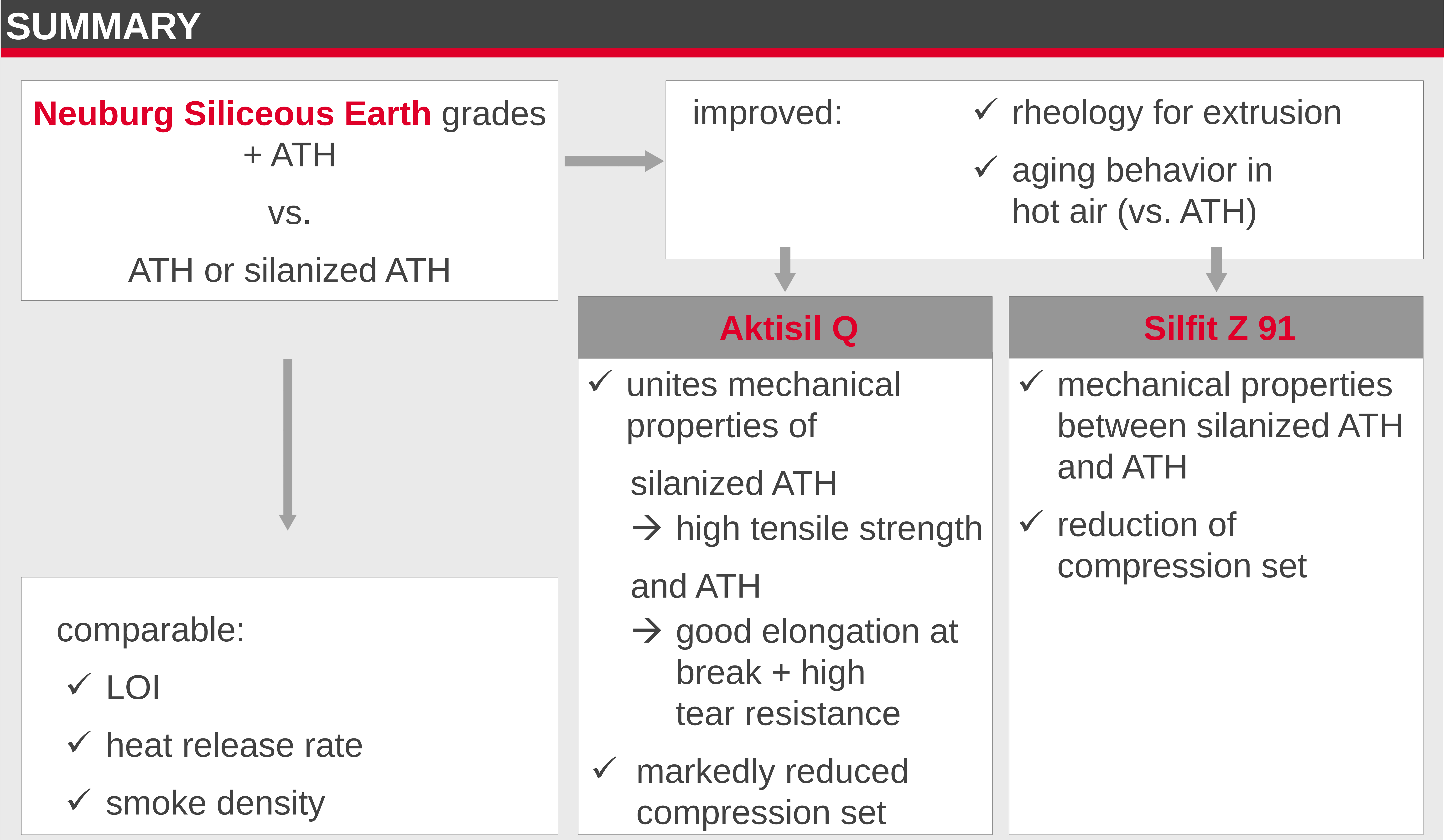


NEUBURG SILICEOUS EARTH IN FLAME RETARDANCY OF SILICONE RUBBER NSE IN COMBINATION WITH ATH

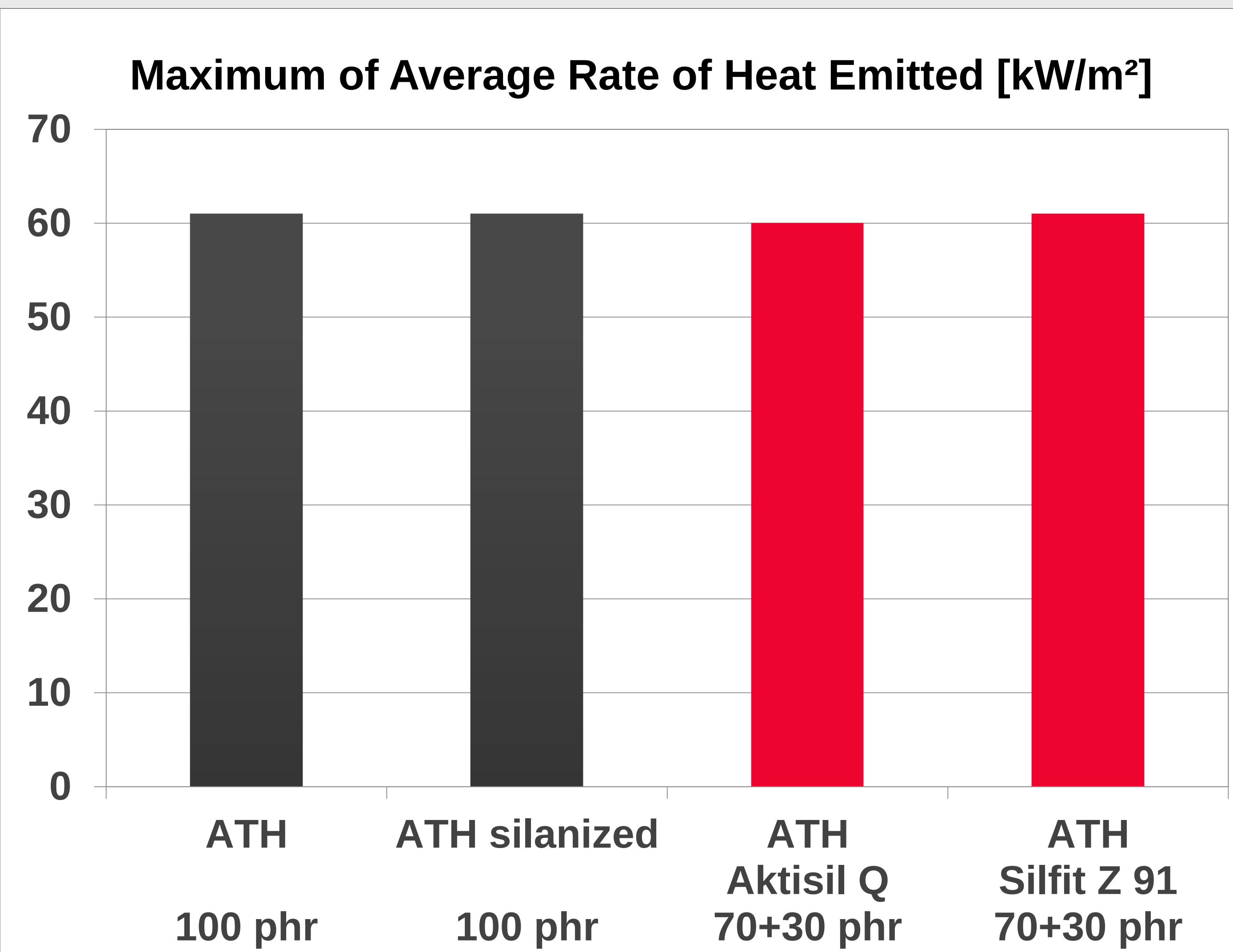
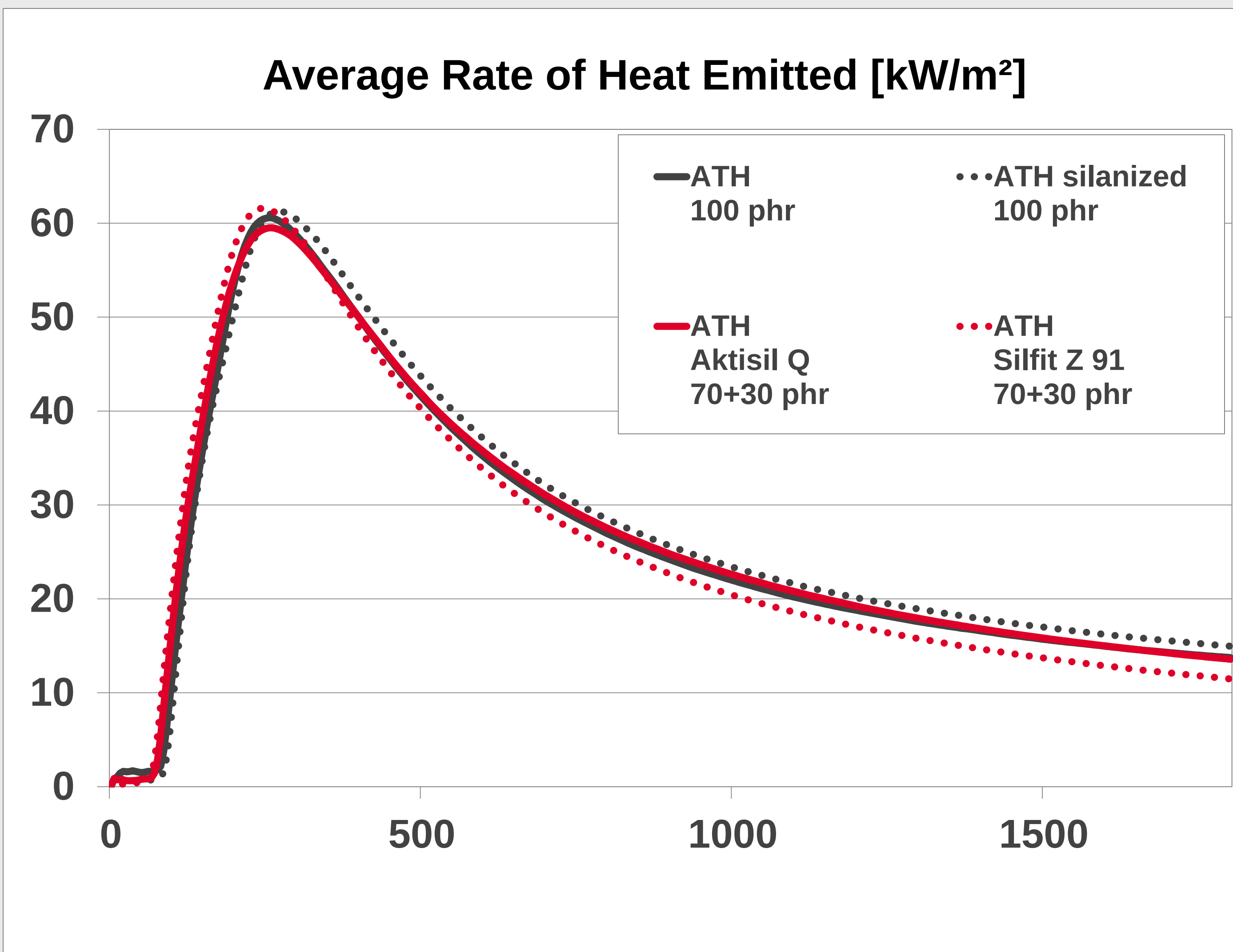
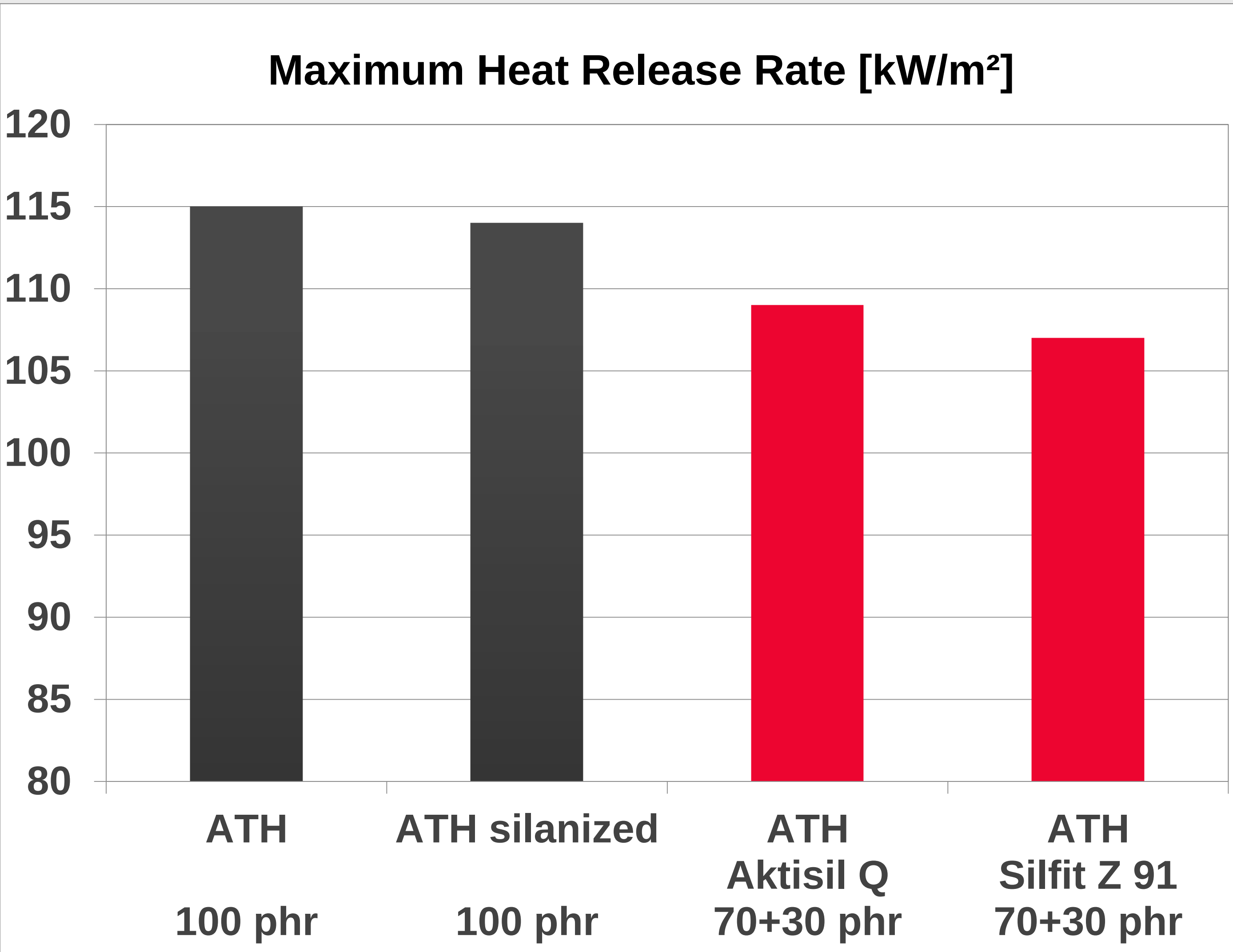
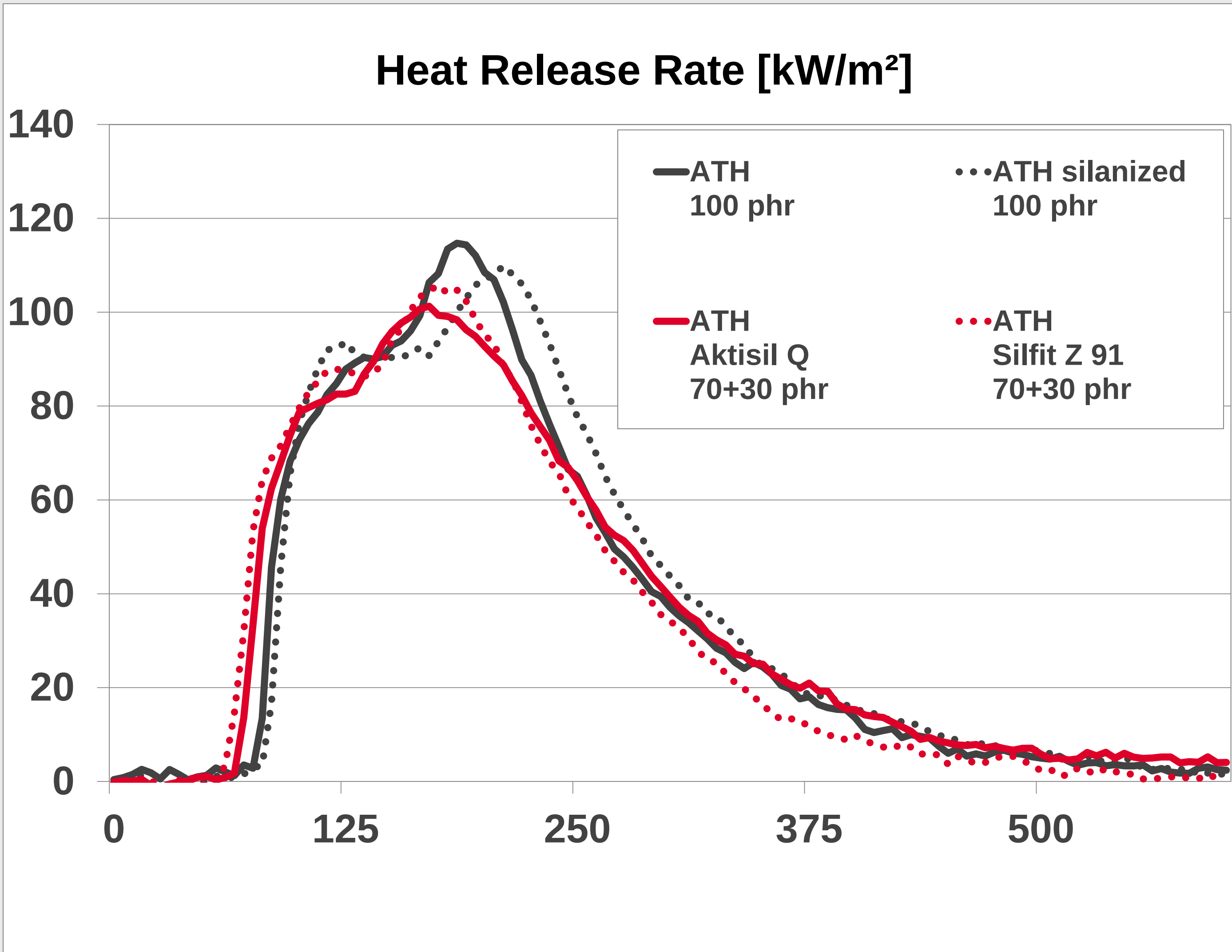
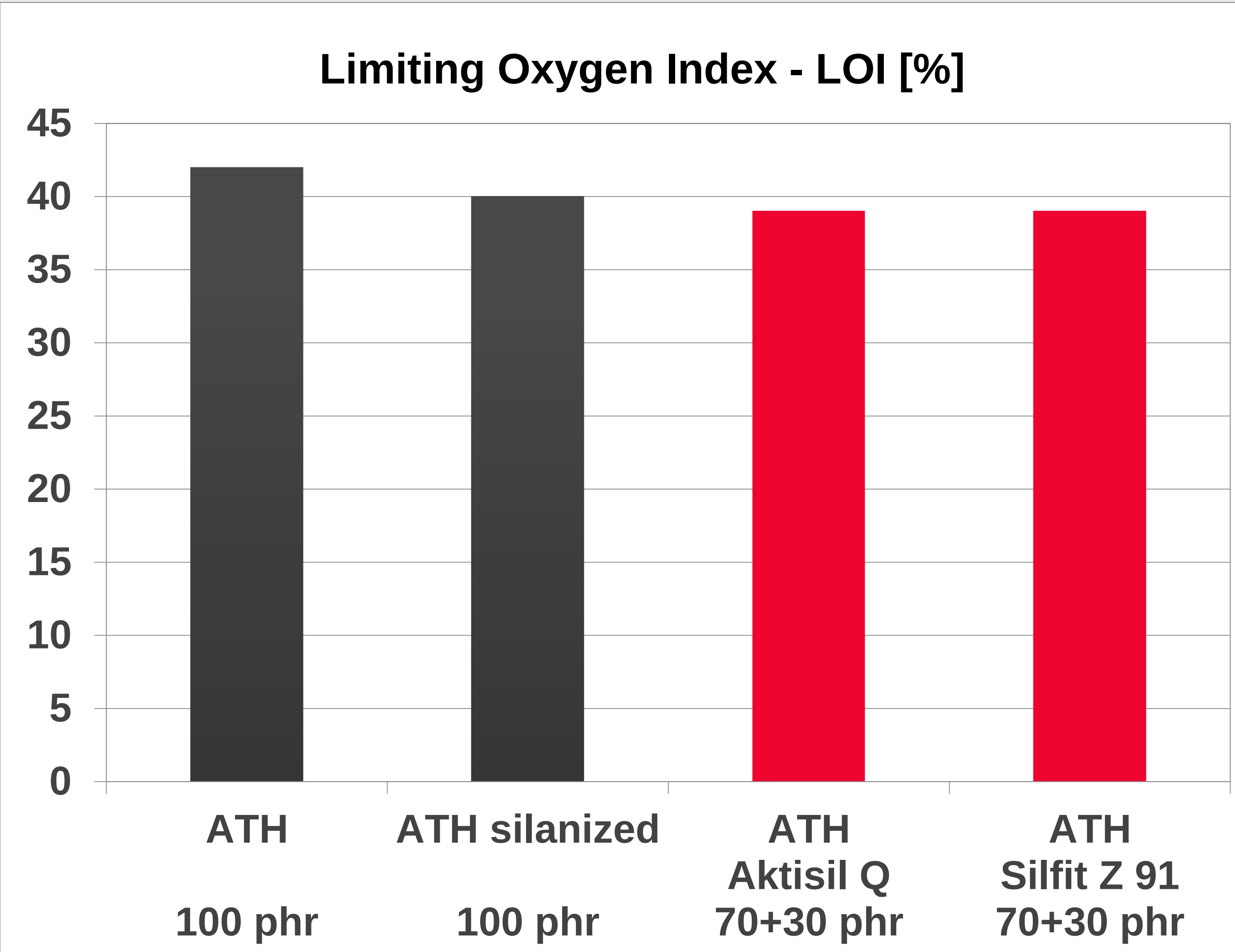
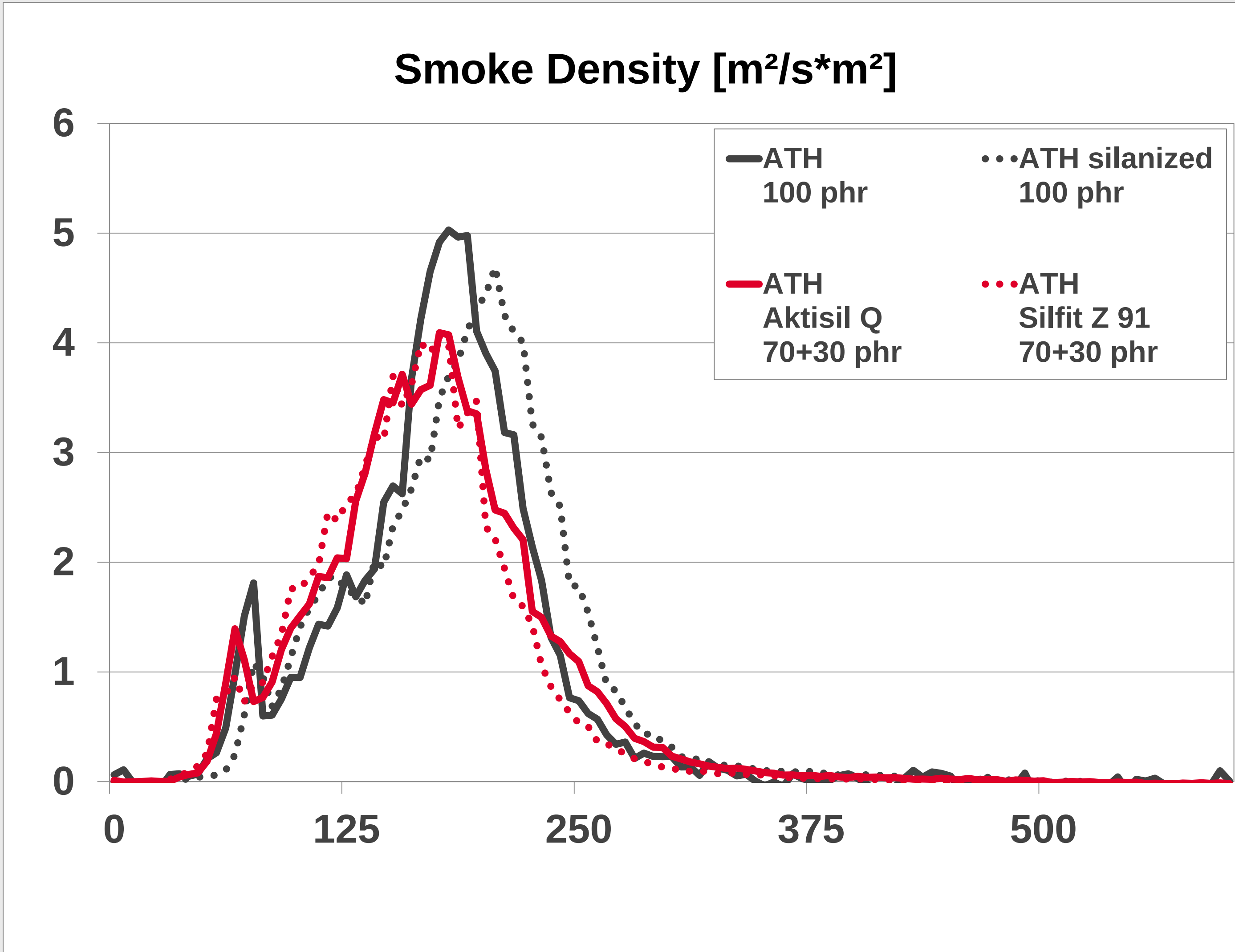
FORMULATION				
in phr	ATH	ATH silanized	Aktisil Q	Silfit Z 91
ATH	100	-	70	70
ATH silanized	-	100	-	-
Aktisil Q	-	-	30	-
Silfit Z 91	-	-	-	30
Elastosil AUX Curing Agent E	1.5			
Elastosil R 401/40	100			

EFFECT OF THE FILLER CATEGORY ON FLAME RETARDENCY		
	Effect	Mechanism
ATH (aluminium hydroxide)	active	thermal decomposition into Al ₂ O ₃ and H ₂ O
NSE (Neuburg Siliceous Earth)	passive	dilution of flammable gases by reduction of the polymer portion



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RESULTS



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