

Safetred ION  
Safetred Design Wood/Natural/Ceramic  
Safetred Spectrum/Spectrum Tiles  
Safetred Universal/Universal Tiles  
Safetred Universal Plus (R11)

TECHNICAL DATA	STANDARDS	SAFETRED							
		Design	Design LL	Design Acoustic	ION	Spectrum	Universal	Universal Plus	
Type of floor covering	EN 13845								
Classification	EN 13845 commercial industrial	Classes: 34 43	Classes: 34 43	Classes: 34 43	Classes: 34 43	Classes: 34 43	Classes: 34 43	Classes: 34 43	
Total thickness	ISO 24346 (EN 428)	2.00mm	2.35mm	3.50mm	2.00mm	2.00mm	2.00mm	2.50mm	
Total weight	ISO 23997 (EN 430)	3 340g/m <sup>2</sup>	3 410g/m <sup>2</sup>	3 750g/m <sup>2</sup>	3340g/m <sup>2</sup>	3 250g/m <sup>2</sup>	3 230g/m <sup>2</sup>	3 850g/m <sup>2</sup>	
Safety Clean XP PUR reinforcement	—	Yes							
Abrasion	EN 13845 Annex D	≤ 10% particle loss after 50,000 cycles							
Residual indentation	Average measured value ISO 24343-1 (EN 433) requirement	≤ 0.10mm		0.15mm ≤ 0.20mm	≤ 0.10mm				
Furniture leg	EN 424	No damage						—	
Castor chair	ISO 4918 (EN 425)	No damage							
Dimensional stability	ISO 23999 (EN 434)	≤ 0.4%							
Curly resistant to heat	ISO 23999 (EN 434)	≤ 2mm							
Flame and smoke	EN 13501-1 ISO 9239-1	Bfl s1 on cement	Cfl s1 on cement	Cfl s1 on cement	Bfl s1 on cement	Bfl s1 on cement			
Slip resistance	TRRL Pendulum 4S (wet) BS 7976 part 2 DIN 51130 Surface Roughness Rz DIN 51097	≥ 36  R10 ≥ 20µm				≥ 36  R10 ≥ 20µm A	≥ 36  R10 ≥ 20µm C	≥ 45  R11 ≥ 35µm	
Impact sound reduction	EN ISO 140-8 EN ISO 717/2	ΔL <sub>w</sub> = 4dB	ΔL <sub>w</sub> = 11dB	ΔL <sub>w</sub> = 17dB	ΔL <sub>w</sub> = 4dB				
Electrical resistance	EN 1815 EN 1081 EN 14041	< 2kV on concrete Not dissipative >10 <sup>9</sup> Ω Antistatic on concrete		< 2kV on concrete Not dissipative >10 <sup>9</sup> Ω Not antistatic on concrete	< 2kV on concrete Not dissipative >10 <sup>9</sup> Ω Antistatic on concrete				
Light fastness	EN ISO 105-B02	7							
Chemical resistance	ISO 26987 (EN 423)	Good resistance to everyday substances							
Hygiene	—	Does not contribute to infection spreading							
Thermal resistance Underfloor heating	EN 12524	0.01m <sup>2</sup> K/W Suitable - Max 27°C			0.01m <sup>2</sup> K/W Suitable - Max 27°C				
Form of delivery	ISO 24341 (EN 426) ISO 24342 (EN 427)	Rolls: 20lm x 2m (40m <sup>2</sup> )	Rolls: 15lm x 2m (30m <sup>2</sup> )	Rolls: 15lm x 2m (30m <sup>2</sup> )	Rolls: 20lm x 2m (40m <sup>2</sup> )	Rolls: 20lm x 2m (40m <sup>2</sup> ) Tiles: 50 x 50cm	Rolls: 20lm x 2m (40m <sup>2</sup> )	Rolls: 15lm x 2m (30m <sup>2</sup> )	
Colours	—	Ceramic: 5 Wood: 10 Natural: 11	Ceramic: 5 Wood: 10 Natural: 11	Ceramic: 5 Wood: 10 Natural: 11	Contrast: 6 Linen: 14	Rolls: 16 Tiles: 9	16	9	

The above information is subject to modifications for the benefit of further improvement (12/2014).  
For more detailed technical information, please contact Tarkett.