

Altro DfE floors and walls guide



Floor finishes type	CP ADS code	Description	Location	Altro adhered flooring options	Altro adhesive-free flooring option	Slip resistance (PTV & R Values)	Notes / additional info
F1.1	CF1.1	General	In mainstream schools: general	Altro Orchestra / Altro Serenade / Altro Ensemble Altro Wood / Altro Wood Comfort / Altro Suprema Altro Walkway 20 / Altro Operetta / Altro Illustra	Altro Cantata Altro Wood adhesive-free / Altro XpressLay Altro Illustra adhesive-free	R10 PT ≥ 36 / R10	*DfE requirements do not request a particular level of S/R so we have recommended both smooth and safety vinyl options
F1.1H	CF1.1H	SEN general	In special schools: general	Altro Orchestra / Altro Serenade Altro Wood / Altro Wood Comfort / Altro Suprema Altro Walkway 20 / Altro Operetta / Altro Illustra	Altro Cantata Altro wood adhesive free / Altro XpressLay Altro Illustra adhesive-free	R10 PTV ≥ 36 / R10	*As above
F1.1M	CF1.1M	Mixed general	Mainstream junior, primary classrooms with sinks	Altro Orchestra / Altro Serenade Altro Wood / Altro Wood Comfort / Altro Suprema Altro Walkway 20 / Altro Illustra	Altro Cantata Altro Wood adhesive-free / Altro XpressLay Altro Illustra adhesive-free	R10 PTV ≥ 36 / R10	*Areas with sinks liable to create frequent spillages - safety flooring recommended
F2.1	CF2.1	Stores	Stores / server room	Altro Walkway 20 / Altro Walkway 20 SD	Altro XpressLay	PTV ≥ 36 / R10	*Altro Walkway SD - Static dissipative vinyl for areas with sensitive equipment
F3.2i	CF3.2i	Classroom, slip-resistant	Mainstream early years, infant and SEN primary	Altro Wood / Altro Wood Comfort Altro Walkway / Altro Suprema / Altro Illustra	Altro Wood adhesive free / Altro XpressLay Altro Illustra adhesive-free	PTV ≥ 36 / R10	*Range of options suitable, all products are safety floors
F3.4	CF3.4	Chemical resistant, slip-resistant	Light practical, chemical store, cleaners store, dark room, reprographics	Altro Reliance 25	Altro XpressLay	PTV ≥ 40 / R10	N/A
F3.4H	CF3.4H	Hygiene, slip-resistant	Food room, Medical (M) treatment room, sick room, kitchen staff and stores, hygiene room	Altro Suprema / Altro Classic 25	Altro XpressLay	PTV ≥ 36 / R10 PTV ≥ 45 / R11	*Altro Suprema recommended for enhanced cleanability and hygiene / Altro Classic 25 recommended for food prep and contaminants (2.5mm product with higher SR)
F4.2H	CF4.2H	Dining	Dining services	Altro Walkway 20 / Altro Suprema Altro Wood / Altro Wood Comfort / Altro Illustra	Altro Wood adhesive free / Altro XpressLay Altro Illustra adhesive-free	PTV ≥ 36 / R10	*Safety flooring recommended for dining areas and to achieve DfE water resistance requirements
F5.4	CF5.4	Heavy practical	Resistant material, workshops and prep, kiln room	Altro Classic 25	Altro XpressLay	PTV ≥ 45 / R11	

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F6.1	CF6.1	Multi-purpose, sports	N/A - No applicable Altro product	N/A	N/A	N/A	
F6.2	CF6.2	Multi-purpose, sports	N/A - No applicable Altro product	N/A	N/A	N/A	
F7.3H	CF7.3H	Wet area	Changing rooms, showers, toilets	Altro Aquarius* / Altro Pisces* Altro Walkway 20 / Altro Suprema	Altro Wood adhesive free / Altro Xpresslay Altro Illustra adhesive-free	PTV ≥ 50 / R11 PTV ≥ 36 / R10	*Barefoot areas / wet rooms and within showers recommended PTV ≥ 50
F8.4	CF8.4	Kitchen	Kitchens	Altro Stronghold 30* Altro Classic 25	Altro Stronghold 30 adhesive-free	PTV ≥ 55 / R12 PTV ≥ 45 / R11	*Altro Stronghold 30 is a more robust specification within kitchens - Altro Stronghold is PTV ≥ 55 , Altro Classic 25 is PTV ≥ 45
F9.2	CF9.2	Entrance	Entrance lobbies	Altro Walkway 20 / Altro Suprema Altro Wood / Altro Wood Comfort / Altro Illustra	Altro Wood adhesive free / Altro Xpresslay Altro Illustra adhesive-free	PTV ≥ 36 / R10	*DFE requirements doesn't request a particular level of S/R however asks for Water resistance 2? - Safety flooring recommended to achieve this

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Wall finish type	Area type	Description	Finish 1 - Impervious	Finish 2 - Jointless / Flush / impervious joints	Finish 3 - Smooth	Hygrothermal performance	Heavy duty	Altro wall finish options	Notes
W1.1	All areas not subject to humid / wet conditions, high hygiene requirements or heavy duty finish, including classrooms	General	N/A	N/A	YES	Normal	N/A	N/A	Hygienic cladding / wall protection not typically required
W1.1h	Light practical spaces, indoor PE spaces, drama studios, social areas, entrance, reception areas	Heavy duty	N/A	N/A	YES	Normal	YES	Altro Fortis Titanium wall protection / Altro Fortis corner protection	Impervious, lightly textured, 2.5mm wall protection for heavy duty areas
W2.1h	Science laboratories and studios, science prep rooms, main halls, dining and sandwich areas	Science	YES	N/A	YES	Normal	YES	Altro Whiterock Vantage / Altro Tegulis / Altro Whiterock Satins	Altro Whiterock Vantage and Altro Whiterock Satins for more heavy duty areas. Altro Tegulis option for feature walls / splashbacks
W2.2h	Cleaners' stores, kitchen staff and food stores, toilets, changing rooms, chemical stores	Humid areas and toilets	YES	N/A	YES	Humid	YES	Altro Whiterock Vantage / Altro Tegulis / Altro Whiterock Satins	Altro Whiterock Vantage and Altro Whiterock Satins for more heavy duty general areas. Altro Tegulis option for feature walls / splashbacks / changing rooms
W3.2	Food room, kitchen preparation, Medical (MI) treatment room, sick bay, kitchenettes	Humid	YES	YES	YES	Humid	N/A	Altro Whiterock Vantage / Altro Tegulis / Altro Whiterock Satins	Kitchens, food prep and hygiene areas recommended Altro Whiterock Vantage & Altro Whiterock Satins. Altro Tegulis an option for kitchen splashbacks and feature walls
W3.3	Showers	Wet area	YES	YES	YES	WET	N/A	Altro Whiterock Vantage / Altro Tegulis / Altro Whiterock Satins	*Please speak to Altro for information on detailing for showers, half-lap joint for Altro Tegulis
W4.1	All areas not requiring a smooth wall finish, such as workshops and DT prep rooms, plant rooms	Rough	N/A	N/A	NO	Normal	N/A	N/A	N/A
W5.1h	Circulation, corridors	Circulation	N/A	Flush-pointed fair faced architectural blockwork acceptable	Flush-pointed fair faced architectural blockwork acceptable	Normal	YES	Altro Fortis Titanium wall protection / Altro Fortis corner protection	Impervious, lightly textured surface, 2.5mm wall protection for heavy duty areas
W6.1h	Sports halls (up to 3.2m above FFL)	Sports	N/A	Average flush-pointed painted blockwork acceptable	Average flush-pointed painted blockwork acceptable	Normal	N/A	N/A	N/A

Product - floors	Product depth (mm)	Wear layer (mm)	Acoustic performance (dB)	Suitable for UFH	VOC emissions	Environmental Product Declaration (EPD's)	Declaration of Performance (DoP's)	R value	PTV value	BS EN 14041:2004 Electrostatic Rating	Heat resistance	Classification	Chemical resistance	Hygiene performance	Product guarantee (years)	Slip Resistance Lifetime (years)
Smooth flooring options:																
Altro Operetta™	2	0.7	4	Yes	Pass	Altro Operetta	Altro Operetta	R10	N/A	≤ 2kV antistatic	Max. temp 60°C	34 and 43	Good	Altro Easyclean™ technology	10	N/A
Altro Orchestra™	2.85	0.7	15	Yes	Pass	Altro Orchestra	Altro Orchestra	R10	N/A	≤ 2kV antistatic	Max. temp 60°C	34 and 42	Good	Altro Easyclean technology	10	N/A
Altro Serenade™	3.9	0.7	19	Yes	Pass	Altro Serenade	Altro Serenade	R10	N/A	≤ 2kV antistatic	Max. temp 60°C	34 and 42	Good	Altro Easyclean technology	10	N/A
Altro Ensemble™	2.6	0.55	15	Yes	Pass	Altro Ensemble	Altro Ensemble	R10	N/A	≤ 2kV antistatic	Max. temp 60°C	23, 33 and 42	Good	Altro Easyclean technology	10	N/A
Safety flooring options:																
Altro Walkway™ 20	2	2	5	Yes	Pass	Altro Walkway 20	Altro Walkway 20	R10	≥36	≤ 2kV antistatic	Max. temp 60°C	34 and 43	Good	Altro Easyclean technology	10	15
Altro Wood™	2	0.7	4	Yes	Pass	Altro Wood	Altro Wood	R10	≥36	≤ 2kV antistatic	Max. temp 60°C	34 and 43	Good	Altro Easyclean technology	10	15
Altro Wood™ Comfort	2.85	0.7	14	Yes	Pass	Altro Wood Comfort	Altro Wood Comfort	R10	≥36	≤ 2kV antistatic	Max. temp 60°C	34 and 42	Good	Altro Easyclean technology	10	15
Altro Illustra™	2	0.7	4	Yes	Pass	Available on request	Altro Illustra™	R10	≥36	≤ 2kV antistatic	Max. temp 60°C	34 and 43	Good	Altro Easyclean technology	10	15
Altro Aquarius™	2	2	5	Yes	Pass	Altro Aquarius	Altro Aquarius	R11	≥50 (Slider 96)	≤ 2kV antistatic	Max. temp 60°C	34 and 43	Good	Altro Easyclean technology	10	15
Altro Pisces™	2	2	5	Yes	Pass	Altro Pisces	Altro Pisces	R11	≥50 (Slider 96)	≤ 2kV antistatic	Max. temp 60°C	34 and 43	Good	Altro Easyclean technology	10	15
Altro Suprema™	2	0.8	5	Yes	Pass	Altro Suprema	Altro Suprema	R10	≥36	≤ 2kV antistatic	Max. temp 60°C	34 and 43	Good	Altro Easyclean technology	10	15

Individual sustainability overviews for each product can be found at [altro.com](https://www.altro.com)

Product - floors	Product depth (mm)	Wear layer (mm)	Acoustic performance (dB)	Suitable for UFH	VOC emissions	Environmental Product Declaration (EPD's)	Declaration of Performance (DoP's)	R value	PTV value	BS EN 14041:2004 Electrostatic Rating	Heat resistance	Classification	Chemical resistance	Hygiene performance	Product guarantee (years)	Slip Resistance Lifetime (years)
Altro Walkway™ 20SD	2	2	5	Yes	Pass	N/A	Altro Walkway 20SD	R10	≥36	≤2kV Antistatic 106 ≤ R ≤ 109 Ohms	Max. temp 60°C	34 and 43	Good	Altro Easyclean technology	10	15
Altro Reliance™ 25	2.5	2.5	7	Yes	Pass	Altro Reliance 25	Altro Reliance 25	R10	≥40	≤ 2kV antistatic	Max. temp 60°C	34 & 43	Good	Altro Easyclean™ technology	20	25
Altro Classic™ 25	2.5	2.5	5	Yes	Pass	Altro Classic 25	Altro Classic 25	R11	≥45	≤ 2kV antistatic	Max. temp 60°C	34 & 43	Good	Altro Easyclean technology	20	25
Altro Stronghold™ 30	3	3	10	Yes	Pass	Altro Stronghold 30	Altro Stronghold 30	R12	≥55	≤ 2kV antistatic	Max. temp 60°C	34 & 43	Good	Altro Easyclean technology	20	25
Adhesive-free options:																
Altro Xpresslay™	2.2	0.8	7	Yes	Pass	Altro XpressLay	Altro XpressLay	R10	≥36	≤ 2kV antistatic	Max. temp 60°C	34 & 43	Good	Altro Easyclean technology	10	15
Altro Cantata™	2.4	0.7	14	Yes	Pass	Available on request	Altro Cantata	R10	N/A	≤ 2kV antistatic	Max. temp 60°C	34 & 42	Good	Altro Easyclean technology	10	N/A
Altro Wood™ adhesive-free	2.4	0.7	14	Yes	Pass	Available on request	Altro Wood adhesive-free	R10	≥36	≤ 2kV antistatic	Max. temp 60°C	34 & 42	Good	Altro Easyclean technology	10	15
Altro Illustra™ adhesive-free	2.4	0.7	14	Yes	Pass	Available on request	Altro Illustra adhesive-free	R10	≥36	≤ 2kV antistatic	Max. temp 60°C	34 & 42	Good	Altro Easyclean technology	10	15

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Additional Information:	Certificates:	Altro floors and walls products and BREEAM 2021 <i>(available on request)</i>
		Altro AltroFix W139 and BREEAM 2021 <i>(available on request)</i>
		ISO 9001 Certificate
	ISO 14001 Certificate	
Recycling:	Recofloor	
	Recowall	

Product - walls	Product depth (mm)	Sheet density (g/cm ³)	PVC grade	VOC emissions	Environmental Product Declaration (EPD's)	Declaration of Performance (DoP's)	Fire rating	HACCP approved	Heat resistance	Water resistance	Chemical resistance	Product guarantee (years)	Hygiene performance
Altro Whiterock Vantage™	2.5	1.2	PVCu	Pass - indoor air quality gold	All EPD's	Altro Vantage	EN13501-1 system installed to plasterboard	No	Max. temp 60°C	≤ 0.1%	Tested with up to 1,213 chemicals	20	Wipe, steam or power wash
Altro Whiterock White™	2.5	1.44	Virgin PVCu	Pass - indoor air quality gold		Altro Whiterock White and Altro Whiterock Satins	EN13501-1 system installed to plasterboard	Yes	Max. temp 60°C	≤ 0.1%	Tested with up to 1,213 chemicals	30	
Altro Whiterock Satins™	2.5	1.44	Virgin PVCu	Pass - indoor air quality gold			EN13501-1 system installed to plasterboard	Yes	Max. temp 60°C	≤ 0.1%	Tested with up to 1,213 chemicals	30	
Altro Whiterock™ wall designs	2.5	1.44	Virgin PVCu	Pass - indoor air quality gold		Altro Whiterock wall designs	EN13501-1 system installed to plasterboard	Yes	Max. temp 60°C	≤ 0.1%	Tested with up to 1,213 chemicals	10	
Altro Whiterock Chameleon™	2.5	1.44	Virgin PVCu	Pass - indoor air quality gold		Altro Whiterock Chameleon	EN13501-1 system installed to plasterboard	Yes	Max. temp 60°C	≤ 0.1%	Tested with up to 1,213 chemicals	20	
Altro Tegulis™	2.5	1.44	Virgin PVCu	Pass - indoor air quality gold		<i>Altro Tegulis (available on request)</i>	EN13501-1 system installed to plasterboard	N/A	Max. temp 60°C	≤ 0.1%	Tested with up to 1,213 chemicals	10	
Altro Fortis Titanium™	2.5	1.44	Virgin PVCu	Pass - indoor air quality gold		Altro Fortis Titanium	EN13501-1 system installed to plasterboard	N/A	Max. temp 60°C	≤ 0.1%	Tested with up to 1,213 chemicals	20	
Altro Fortis™ corner protection	2.5	1.44	Virgin PVCu	Pass - indoor air quality gold	<i>Altro Fortis corner protection (available on request)</i>	EN13501-1 system installed to plasterboard	N/A	Max. temp 60°C	≤ 0.1%	Tested with up to 1,213 chemicals	20		

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4346 issue date 12/23 EN