Technical Specification

AKW Safety Flooring meets the requirements of EN 13553 & EN 13845

Feature	ISO Standard	Detail
Flooring type	EN 13553	Safety Flooring
Ramp test with oil	DIN 51130:2014-02	R10
Ramp test barefoot with soapy water	DIN 51097:1992	Class C
Pendulum test (wet & dry)	BS 7976-2:2013	>36
Dynamic coefficient of friction	EN 13893:2002	>0.49
Total thickness	EN – ISO 24346:2006	2mm
Thickness wear layer	EN – ISO 24340:2006	0.75mm
Commercial very heavy wear	EN – ISO 10874:2009	Class 34
Light industrial wear	EN – ISO 10874:2009	Class 43
Roll width	EN – ISO 24341:2006	2.0m
Roll length	EN – ISO 24341:2006	20m
Total weight	EN – ISO 23997:2007	2.85kg/m²
Dimensional stability	EN – ISO 23999:2018	<0.05%
Curling	EN – ISO 23999:2018	(<=|8|mm) 3.5mm
Residual indentation	ISO 24343-1:2007	<= 0.10mm (avg. 0.04mm)
Castor chair continuous use	EN – ISO 4918:2016	Pass – no effect
Water tightness	EN 13553:2017	Pass
Light fastness	EN – ISO 105-B02:2014	>6
Flexibility	EN – ISO 24344:2008	Pass
Electrical resistance	EN 1081:2018	0.17x109 Ω Pass
Reaction to fire	EN 13501-1	Class Bfl-s1
Body voltage	EN 1815:2016	<=2kV Pass
Thermal conductivity	EN 12664:2001	0.050W/(m.K)
Thermal resistance	EN 12664:2001	0.040 m2.K/W
Use with underfloor heating		Suitable
Tested against emission of dangerous substances		Pass

AKW
Life Made Better

Safety Flooring

AKW
Life Made Better

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Stylish, comfortable and safe underfoot

AKW Safety Flooring comes in a wide range of stylish colours and provides a high level of slip resistance in a bathroom adaptation or wet room installation.

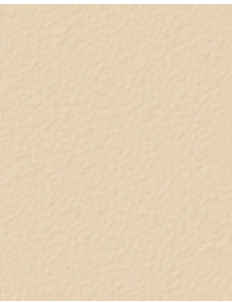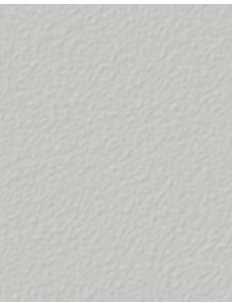100% watertight, durable and comfortable underfoot, it's ideal for a range of domestic and care bathrooms.
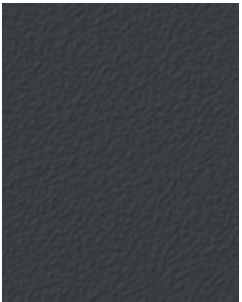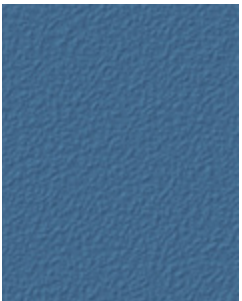
+ Eight contemporary, dementia-friendly accredited colours to choose from, seven of which have achieved the highest rating (1a) following a review by the Dementia Services Development Centre (DSDC) at the University of Stirling

+ AKW Safety Flooring has achieved the highest slip resistance rating for barefoot users in wet and soapy environments

+ Light Reflective Value (LRV) – plain and tonal chip options to help you achieve high contrast in a care environment

+ Suitable for users with dementia as there are no large speckles in the flooring, which can cause confusion

+ Watertight, fully impervious system that leaves nowhere for bacteria to go

+ Easy to clean surface limits the build up of limescale

+ Long lasting, providing you with 10 years of guaranteed slip resistant flooring

+ Suitable for underfloor heating

+ PVC material has been rigorously tested against harmful content

+ Phthalate free – plasticisers are based on natural resources

+ Cut to order, minimum order size is 0.5 x 2m

+ Rolls are 20m x 2m

AKW Safety Flooring has been awarded DSDC Dementia-friendly product accreditation

"The Dementia Services Development Centre at the University of Stirling have undertaken a review of this product and have rated it's design in relation to dementia design principles and it's usability within a dementia-inclusive environment. For ease of identification, the suitability of the product is classified by number with corresponding explanation of use, within the ratings key provided.

The DSDC Accredited Product logo is awarded on the merit of the individual product and colour-way. This accreditation does not merit the manufacture or final application of the product. Whilst every endeavour has been made to ensure the ratings are reflective of the products suitability and applied use at the time of print, DSDC cannot be held responsible for the application of the final product, it's performance or its interface with other products or finishes. For an environment to be considered 'dementia-inclusive' or 'dementia-friendly' careful consideration must be given to the specification of adjoining finishes, their performance specification (for example light reflectance value (LRV), slip resistance and use of pattern) and their suitability for their intended use."

Ivory (LRV 56)	**Beige** (LRV 46)
0.5 x 2m **21901-IVR**	0.5 x 2m **21901-BGE**
20 x 2m roll **21903-IVR**	20 x 2m roll **21903-BGE**
+ DSDC Rating - 1a	+ DSDC Rating - 1a
Cement (LRV 55)	**Dove** (LRV 38)
0.5 x 2m **21901-CMT**	0.5 x 2m **21901-DVE**
20 x 2m roll **21903-CMT**	20 x 2m roll **21903-DVE**
+ DSDC Rating - 1a	+ DSDC Rating - 1a
Slate (LRV 18)	**Anthracite** (LRV 10)
0.5 x 2m **21901-SLT**	0.5 x 2m **21901-ANT**
20 x 2m roll **21903-SLT**	20 x 2m roll **21903-ANT**
+ DSDC Rating - 1a	+ DSDC Rating - 1b
Wedgewood (LRV 26)	**Dusk** (LRV 13)
0.5 x 2m **21901-WDW**	0.5 x 2m **21901-DSK**
20 x 2m roll **21903-WDW**	20 x 2m roll **21903-DSK**
+ DSDC Rating - 1a	+ DSDC Rating - 1a

Accessories

Our range of high quality accessories enhance the durability and finish quality of all floor installations.

Bond-it Levelling Floor Compound
20kg: **21896**

+ Self-smoothing, mix with water or latex liquid
+ Accepts floor traffic after 3-4 hours
+ Pre-blended single pack ready to mix
+ Coverage approximately 3.6m² at a depth of 3mm

Bond-it Latex Liquid
4.5L: **21895**

+ 1:1 mix ratio – for every 20kg pack of Bond-it Levelling Flow Compound, use 1 container of Latex Liquid
+ 24 month shelf life
+ Levelling compound/latex mixsets in 24 hours

F44 Styccobond Flooring Adhesive 5L: **21897**

+ Strong initial tack
+ Long initial open time
+ Solvent free
+ Protected against bio-degeneration
+ Suitable for use with underfloor heating
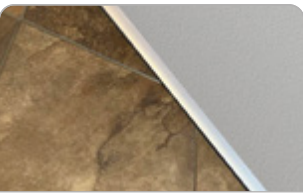+ Coverage 4m²/litre using a 1.5mm x 5mm trowel

F66 Styccobond Solvent Free Contact Adhesive
5L: **30128**

+ Solvent free and low odour
+ Easy to apply with a notched spreader/sponge applicator
+ Instant bond with capping and coving strips
+ Dries within 30 minutes
+ Coverage 5m²/litre with spreader or 9m² with sponge

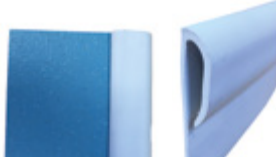**Ottoseal® S51 Coloured Silicone**
21900

+ Colour matched with AKW Safety Flooring
+ Flame resistant according to DIN 4102-B1
+ Excellent weathering, ageing and UV-resistance
+ MEKO free (safer working non-toxic)

Flooring Threshold Strip
950mm length: **27695**

+ Water resistant
+ Self-adhesive waterproof foam tape
+ Level-access
+ Silver smooth finish

Flooring Capping Strip White PVC
2m: **21898WHT**

+ High quality, flexible PVC
+ Easy to install, cut and handle on site
+ Adds a water-resistant barrier to the edge of the flooring
+ Clean finish when flooring is coved up a wall

3m Vinyl Floor Coving
Pack of 5 x 3m lengths: **30085**

+ Provides a pre-formed radius for flooring installation
+ Provides an end solution that is easy to clean
+ Colour: Black

Flooring Weld Rod
100m roll: **21904**
1m length: **21902**
+ colour code (**ANT**, **BGE**, **CMT**, **DVE**, **DSK**, **IVR**, **SLT**, **WDW**)

+ Watertight, hygienic seam
+ Range of colours available to match floor colour, or contrast it
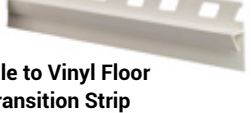+ Solidified adhesive in a rod to easily melt into grooves

CLS Timber 3"x2"
76mm (3") x 50mm (2") x 2400mm (96")
Untreated **21886**
Treated **21887**

+ Softwood planed with rounded edges
+ Ideal for interior framing, support and carcassing
+ Robust – provides stability and reliability
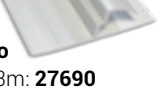+ Strength graded to C16
+ Treated with Tanalith

Plywood FSC Cert BB/BB Grade 1200x2440mm
4mm thick: **21884**
6mm thick: **21980**
9mm thick: **21888**
12mm thick: **21885**

+ Good strength to weight ratio and suitable for structural work
+ 100% FSC certified
+ Meets EN636 Spec Class 2

Tile to Vinyl Floor Transition Strip
10 pack. 3m: **30073**

Wallboard Bottom onto Vinyl PVC. 3m: **27690**

Safety flooring to wall trim with flexible lip
10 pack. 3m: **21905**

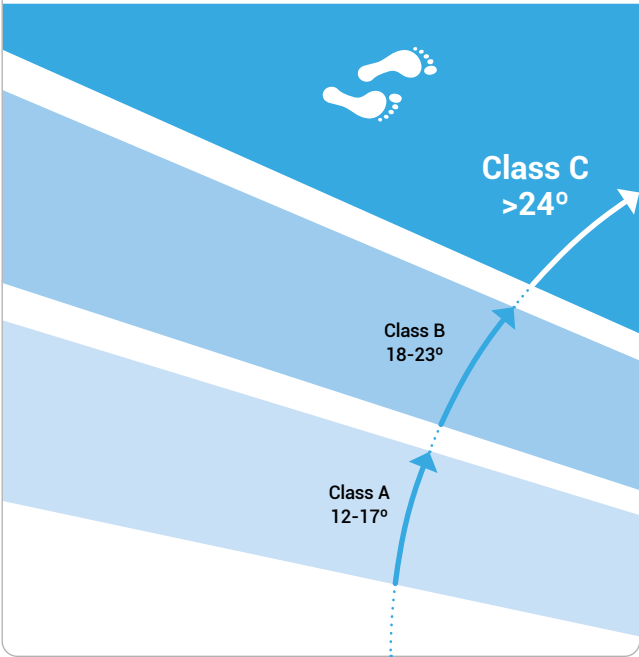+ Provides smooth transition between tiles, wall panels and vinyl flooring

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Slip Resistance

All AKW Safety Flooring is classified as having a low slip risk using the ramp tests below:
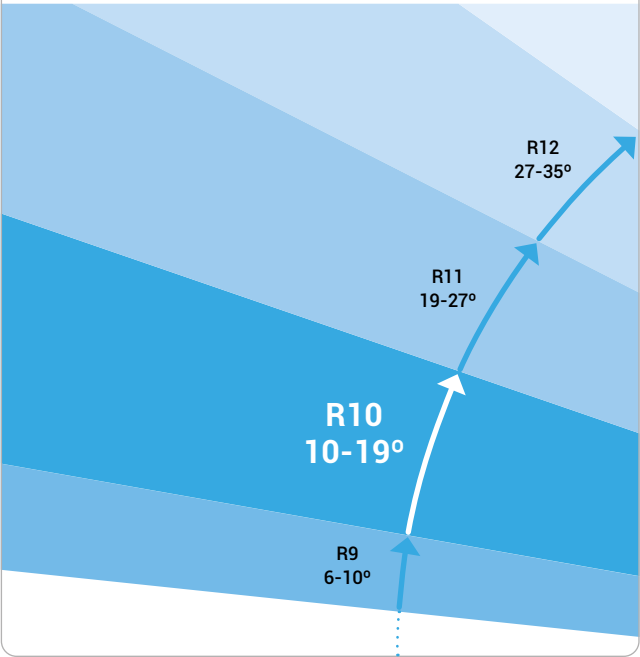
Class C

Tests barefoot on a wet and soapy surface

+ AKW Safety Flooring meets the highest standard of slip resistance in a wet room.
+ This test is the most representative way of testing safety flooring in a wet room environment, as it tests barefoot use with wet and soapy contaminates. The surface pattern of AKW Safety Flooring has been designed to provide exceptional slip resistance under bare feet, which is why it meets Class C, the highest classification.

Class C >24°
Class B 18-23°
Class A 12-17°

R10 Standard

Tests footwear on an oil contaminated surface

+ Safety does not just stop at slip resistance.
+ AKW Safety Flooring has been designed to be R10 rated so it is not too rough for bare foot users and those with care needs, yet still gives a high level of slip resistance.
+ The R11/R12 standard tests heavy industrial anti-slip flooring. The surface required to meet these standards requires an abrasive finish which is simply not suitable in a care environment.

R12 27-35°
R11 19-27°
R10 10-19°
R9 6-10°

Flooring cut to size

The versatile and cost effective flooring solution

AKW Safety Flooring is manufactured in two metre widths. You can purchase by roll (20m) or our state of the art machine can cut in 0.5 increments x 2m width*. This can save money, help to minimise wastage and assist in delivering the required amount for the install.

*Minimum Order Quantity on rolls will apply