

Resistance to chemicals

Product Used	Contact Time	
	After 2 Hours	After 24 Hours
Acetic Acid	A	A
Concentrated Hydrochloric Acid	A	A
Citric Acid	A	A
Concentrated Formic Acid	C	C
Dilute Formic Acid	A	A
Concentrated Nitric Acid	C	C
Dilute Nitric Acid	A	A
Oxalic Acid	A	A
Concentrated Sulphuric Acid	C	C
Dilute Sulphuric Acid	A	A
Concentrated Ammonia	A	A
Caustic Soda solution	A	C
Hydrogen Peroxide	A	C
Methyl Alcohol	A	A
Ethyl Alcohol	A	A
Concentrated Iodine Alcohol	C	C
Dissolved Iodine Alcohol	B	C
Raw Burning Alcohol	A	A
Denatured Alcohol	A	A
Eosine	B	B
Betadine	B	B
Concentrated Chlorine Bleaches	A	A
Essence F - White Spirit	A	A
Methyl, Ethyl, Ketone, Acetone, Ether, Formol	A	B
Potassium Permanganate, Xylene, Toluene	C	C
Trichlorethylene	C	C
Cooking Oil, Milk, Coffee, Tea, Butter, Wine	A	A
Tomato Puree	A	B
Mustard, Fruit Juice, Beer, Vinegar, Chocolate	A	A
Oil (Motor oil)	A	A
Wax (black)	B	B
Fat	A	A
Ball Point Pen, Felt Tip Pen	B	B
Ammonia Cleaning Agents	A	A
Lipstick, Make-up	A	A
Hair Dyes	C	C

- A – Resistant
 B – Stains may be removed with alcohol or white spirit
 C – Not resistant (causes discolouration)



Chocflex – The easy care acoustic vinyl



CHOCFLEX is the ideal solution for heavy traffic areas in environments such as schools, hospitals, residential care homes, factories, shops, corridors, reception halls, staircases, etc. where durability, sound absorption, easy cleaning and low maintenance are key considerations.

CHOCFLEX N – Standard Chocflex.

CHOCFLEX T – Thicker than standard Chocflex – particularly for heavy traffic.

Sheet	N	T
Roll Width	150cm (4'11")	150cm (4'11")
Roll Length	30 linear metres (45m ²) 98'5" length (484.4 sq. feet)	30 linear metres (45m ²) 98'5" length (484.4 sq. feet)
Total Thickness	3.45mm	3.55mm
Wear Layer Thickness	0.62mm	0.75mm
Total Weight	2.500kg per m ² (0.57 lbs per sq. ft)	2.650kg per m ² (0.6 lbs per sq. ft)
Acoustic (NRA) Classification	ST3	ST3
Tiles	N	T
Dimensions	50cm x 50cm (19.7" x 19.7")	50cm x 50cm (19.7" x 19.7")
Packaging	20 tiles per box (5m ²) (53.2 sq. ft)	20 tiles per box (5m ²) (53.2 sq. ft)
Total Thickness	3.45mm	3.55mm
Wear Layer Thickness	0.62mm	0.75mm
Total Weight	2.500kg per m ² (0.57 lbs per sq. ft)	2.650kg per m ² (0.6 lbs per sq. ft)
Acoustic (NRA) Classification	ST3	ST3
Stairtreads	For Straight Stairs	For Curving Stairs
Roll Width	51cm (20.07")	101cm (3'3")
Roll Length	11 linear metres (36'11")	11 linear metres (36'11")
Total Thickness (not including stair nosing)	3.55mm	3.55mm
Wear Layer Thickness (not including stair nosing)	0.75mm	0.75mm

Performance Criteria

NF UPEC certification	U3 P3 E2/3 C2 ⁽¹⁾ • Plain design NO 308-005.100/00 • Pattern design NO 308-007.100/00	U4 P3 E2/3 C2 ⁽¹⁾ NO 308-006.100/00 NO 308-008.100/00
Euroclass	N – PV No. RA06-0431B	T – PV No. RA06-0431A
Antistatic Rating NFP 62001/1996 – PV NO 17503010	Class 2	
Vertical Electrical Resistance	< 2 x 10 ⁹ ohms	
Light Fastness	≥ 6	≥ 6
Dimensional Stability	≤ 0.40%	≤ 0.40%
Impact Sound	LW19dB (A)	LW19dB (A)
Noise Reduction Certification	W = 0.05	W = 0.05
Photocured Anti-Soiling Treatment		
Bacterial Resistance	Bacteriocidal and Fungicidal treatment	
RAPRA Test	Wet coefficient of friction of 0.65 ⁽³⁾	




(1) Chocflex stairtreads are guaranteed U4P3 as long as sub-floor and adhesive conform to DTU 53-2.

(2) Do not use cleaning agents containing abrasives, which could damage the VITNET® coating.

(3) When used on a flat horizontal floor. The industry accepts that a coefficient of 0.4 should be achieved if slipping is to be avoided.

Areas of use

European Classification EN 685: 1996

Class	Symbol	Area of Use	Description
		Living	Areas for private use
21 22 23		Moderate General Heavy	Areas of low/occasional use Areas of average use Areas of high use
		Commercial	Areas for public and commercial use
31 32 33 34		Moderate General Heavy Very Heavy	Areas of low/occasional use Areas of average use Areas of heavy use Areas of intensive use
		Industrial	Areas for light industrial use
41 42 43		Moderate General Heavy	Areas where work is mainly sedentary with occasional use of light vehicles Areas in which work is mainly carried out standing Other industrial areas

Available As	Chocflex N	Chocflex T
Sheet	150cm (4'11") wide Rolls with 30 linear metres (98'5")	150cm (4'11") wide Rolls with 30 linear metres (98'5")
Tiles	50cm x 50cm (19.7" x 19.7") Packaging 5m ² (53.2 sq. ft) = 20 tiles	50cm x 50cm (19.7" x 19.7") Packaging 5m ² (53.2 sq.ft) = 20 tiles
Stair coverings	–	51cm (20.07") wide Rolls with 11 linear metres (36'11") 101cm (3'3") wide Rolls with 11 linear metres (36'11")
Wear Classification		
Living	23	23
Commercial	34	34
Industrial	42	42



Use area classifications

Selecting a floorcovering that will satisfy the actual or expected service requirements is essential if a product is to perform up to the end user's expectations. With so much product information now available, it is hardly surprising that selection can sometimes be difficult.

So in order to help the end user and/or the building designer make an informed choice, our products show the European use area classifications and the Agrément ratings. The Use Area Classifications can only be claimed if the products meet the requirements of the performance criteria which have been laid down. The Agrément rating is awarded by one of the Agrément assessment bodies and only after an independent assessment of the product, both in laboratory conditions and on site use.

A basic understanding of both systems is useful when making decisions on suitability

of products. A general guide to both systems follows:

European Classification EN 685: 1996

This European Standard describes the various levels of use area, the relevant icons and typical applications. These typical applications may vary from country to country as room usage varies and some applications may require a higher rated product.

The European system has three specific use categories, with sub-divisions based on type and intensity of traffic: see the chart on the previous page. Individual EN product specifications detail the performance and physical criteria that a product must meet to achieve the classification – and products can meet the criteria of all three groups. When a higher classification number is claimed, the product will meet all the requirements of the lower classes in that group.

Property	(French Term)	Symbol	Range
Wear	(Usure)	U	1-4
Penetration	(Poinçonnements)	P	1-4
Water Resistance	(Eau)	E	1-3
Chemical Resistance	(Chimique)	C	1-3

In 1987, the scheme for floorcoverings was revised, but still retained the basic concepts which made the scheme so useful. The revision, carried out in conjunction with the European floorcovering manufacturers, made the overall scheme more simple. As all vinyl floorcoverings achieved a **C2** rating when tested, it was, felt unnecessary to include this and the new system concentrated on the **U, P** and **E** ratings.

The new scheme was termed the **GWS system**, with **G** being the general classification ranging from 1 to 5 and being a combination of the previous U and P ratings. **W** indicates that the product can tolerate wet cleaning but not standing water, and **WS** indicates the product can tolerate standing water by having the joints welded.

The individual EN product specifications allow for products of different filler levels and abrasion resistance and define minimum overall and wear layer thickness for each classification. Homogeneous products, being 100% wear layer, are only classified using the overall thickness, although they will give a longer life expectancy than a comparable heterogeneous product of the same classification.

The Agrément System

The Agrément system, which originated in France, has been in use for many years. The ratings were based on four key physical properties and the results which the product achieved against a test criteria in each category, gave the overall rating. (The higher the number, the better the performance). The overall performance was then quoted as a UPEC rating and this system is still recognised today in France.

The **W** and **S** replace the previous E rating. A comparison of both ratings is as follows:
G5 is equivalent to **U₃ P₂**
G4 is equivalent to **U₃ P₃**
G5 is equivalent to **U₄ P₃**
 No **W** rating is equivalent to **E₁**
W rating is equivalent to **E₂**
WS rating is equivalent to **E₃**

The Agrément bodies produce a comprehensive listing of typical use areas which are too numerous to list here, together with the product rating required.