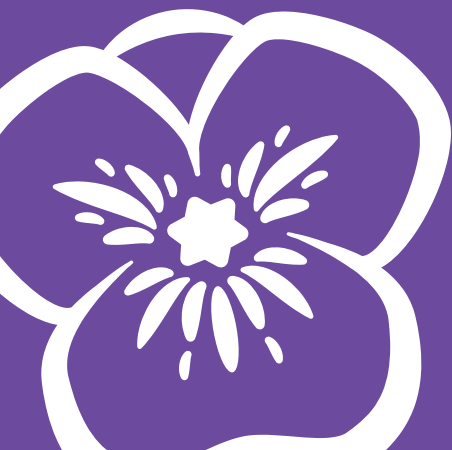

dsdc

Dementia Design
Product Accreditation

Information and Guidance



dcdc

Product Accreditation

Information and Guidance

University of Stirling
Dementia Services Development Centre
Iris Murdoch Building
Stirling
FK9 4LA

dementia@stir.ac.uk
+44 (0)1786 467740

www.dementia.stir.ac.uk

Contents

Introduction.....	5
1. Accreditation.....	7
2. Methodology.....	9
3. Example rating key.....	10
4. Product design principles.....	13
5. Iridis and BIM platform.....	15

The image shows the exterior of a modern building with a white facade. The building features large windows and a prominent entrance area. In the foreground, there is a white wall with the name 'Iris Murdoch Building' mounted on it. The wall also has a small square vent, a circular light fixture, and a small rectangular window. A tree with sparse green leaves is visible in the background, and a hedge with some brown leaves is in the lower left. The sky is clear and blue.

Iris Murdoch Building

Introduction

The University of Stirling's Dementia Services Development Centre (DSDC) is an international centre of knowledge and expertise dedicated to improve the lives of people with dementia. For 30 years, the DSDC has drawn on research and practice from across the world to provide comprehensive, up-to-date resources on dementia and ageing.

Age-related changes and impairments can often make it more difficult for people to understand and navigate a building. Well-designed products can increase independence and quality of life for older people and people with dementia. As our population ages, products will play a greater role in maintaining independence and health. DSDC collaborates with manufacturers, product designers and suppliers in the development of new products suitable for use by people living with dementia. DSDC also offers a product review and assessment service to assess product suitability for use in a dementia-friendly environment.



Accreditation

DSDC offers a bespoke design consultancy service for the review and accreditation of products in relation to dementia-inclusive environments.

The service has been developed based on the product design principles (page 13), which ensures products go through a rigorous assessment.

For ease of identification, the suitability of the product is classified by a number with corresponding explanation of use, within a ratings key.

The DSDC Accredited Product logo is awarded on the merit of the individual product and where applicable, colour-way. For a product to be considered 'dementia-friendly' or 'dementia-inclusive', careful consideration must be given to the environment in which the product is placed. For this reason, the accreditation of the product does not merit the final application, the product performance or its interface with other products or finishes.

Manufacturers of accredited products are provided with DSDC Accredited Product logo for use on marketing material and can be supported by DSDC in developing specialist marketing literature.





Methodology

A product assessment is undertaken by a minimum of two DSDC specialists (for example: architects, designers, registered nurses and researchers). To achieve a DSDC Product Accreditation rating, products must meet the 10 product design principles as outlined on page 13. The accreditation and review process varies depending upon the product. However, a typical review methodology is outlined below:

- Collection and collation of all product design information. Information collected includes details on the products market audience and technical specifications.
- Establish a benchmark. A minimum performance specification benchmark is created, relevant to the product, which is suitable for a person living with dementia. This forms the assessment matrix from which to assess the product. The matrix will vary depending upon the product and is determined by our team of design and care professionals.
- A desktop review of recent relevant research and product information. This roots the review methodology in current best practice and research, and includes a review of the commercial market for other products similar in design and application.

- A detailed review of the product. Where possible 1:1 samples are requested. If this is not possible, DSDC can test a product in design development or complete a review of 2D or 3D production information.
- Award of the accreditation. This is based on a ratings key of suitability. An example of our rating key is provided on page below.

Example rating key (flooring example)

Rating	Rating Description
Class 1a	<p>Flooring within this rating are plain and can be used indiscriminately.</p> <p>That said, bear in mind the need to contrast flooring with walls, skirtings, doors/ frames, furniture and sanitary ware.</p> <p>Contrast is the key word.</p> <p>We recommend a minimum contrast of 30 units LRV (Light Reflectance Value) between the critical surfaces mentioned above.</p>
Class 1b	<p>Flooring within this rating are semi-plain (minimal texture or fleck and/or minimum contrast between fleck/pattern, wood effect with no knots) and in general, can be used throughout</p> <p>Natural patterns such as timber and stone may be used in most areas due to their familiarity but with a degree of caution.</p> <p>Bear in mind minimum contrast of 30 units LRV (Light Reflectance Value) between the critical surfaces mentioned above.</p>

Rating	Rating Description
Class 2	<p>Flooring within this rating have some pattern and need to be used with caution.</p> <p>The natural patterns such as timber and stone in this range are more figured/ patinated and although still familiar they need to be used with more caution than the above range. Bear in mind minimum contrast of 30 units LRV (Light Reflectance Value) between the critical surfaces mentioned above.</p>
Not suitable	<p>Flooring within this rating have strong pattern, flecks and/ or are highly reflective and are not suitable for use in areas used by people with dementia.</p> <p>Tesselated tile arrangements are not considered appropriate irrespective of pattern.</p> <p>This rating incorporates stripes, flowers and dots which could be seen as dirt or something to pick up. Thus it is possible that some people with dementia, particularly if on anti-psychotic drugs, may have an adverse reaction to these patterns.</p>



Room No.	Area	Remarks
101	10.0	Entrance, corridors, stairwells and lift
102	10.0	Entrance, corridors, stairwells and lift
103	10.0	Entrance, corridors, stairwells and lift
104	10.0	Entrance, corridors, stairwells and lift
105	10.0	Entrance, corridors, stairwells and lift
106	10.0	Entrance, corridors, stairwells and lift
107	10.0	Entrance, corridors, stairwells and lift
108	10.0	Entrance, corridors, stairwells and lift
109	10.0	Entrance, corridors, stairwells and lift
110	10.0	Entrance, corridors, stairwells and lift



DSDC Product Design Principles

The Product Design Principals outlined below have been prepared for the purposes of the DSDC Product Accreditation and are informed by research in this field (Bowes et al, 2019), (Fleming et al, 2008). We note that not all principals will be relevant to all products.

1. Looks familiar and non-institutional
2. Preserves dignity and sustains abilities
3. Offers a safe and unthreatening world
4. Supports hearing and seeing well
5. Designed with optimal colour and contrast
6. Designed for the individual
7. Supports a good night's sleep and maintains circadian rhythm
8. Supports the caregiver
9. Supports one-to-one engagement
10. Supports text-based communication



Iridis

Iridis and BIM platform

In 2017 the DSDC launched 'Iridis'; an app to help improve environments for people living with dementia.

This software has been created to promote a better quality of life for people with dementia and represents a revolution in the implementation of dementia design principles in homes, workplaces, care facilities and public buildings. The app allows homeowners and professionals to assess the built environment against the DSDC's Dementia Design Audit Tool (Cunningham et al, 2009) and makes recommendations for improvements.

Iridis is available to download on Google Play and the Apple App Store.

About the DSDC

The Dementia Services Development Centre can help you to improve the lives of people with dementia in your community. Through the website at www.dementia.stir.ac.uk you can access helpful information and advice. Contact us by email for further details of how we can help you.

University of Stirling
Dementia Services Development Centre
Iris Murdoch Building
Stirling
FK9 4LA

dementia@stir.ac.uk
+44 (0)1786 467740

www.dementia.stir.ac.uk

University of Stirling
Dementia Services Development Centre
Iris Murdoch Building
Stirling
FK9 4LA

dementia@stir.ac.uk
+44 (0)1786 467740

www.dementia.stir.ac.uk