

VIBE by VISION

Acoustic Solutions

we
design
silence



Neurodiversity & Sensory Design

What is Neurodiversity?

Neurodiversity challenges the conventional understanding of “normal” and acknowledges that neurological variations are a natural part of human diversity. Neurodiversity Ireland describes neurodiversity as “the differences in the way people’s brains work as neurodivergent people experience, interpret and interact with the world in unique ways”.

Neurodiversity encompasses a wide range of neurodiverse conditions and embraces the idea that neurodiverse individuals bring unique strengths and perspectives to society.

Some of these conditions include:

Autism Spectrum Disorder (ASD): ASD is characterised by social communication and behaviour differences. Individuals with ASD may have varying strengths and challenges, making each person unique in their abilities.

Attention-Deficit/Hyperactivity Disorder (ADHD): ADHD is marked by difficulties sustaining attention, impulsivity, and hyperactivity. However, individuals with ADHD often exhibit remarkable creativity and problem-solving skills.

Dyslexia: Dyslexia affects reading, writing, and spelling abilities. Despite these challenges, many dyslexic individuals possess exceptional verbal and artistic talents.

Sensory Processing Disorders: These conditions can lead to heightened sensitivities or under-sensitivities to sensory stimuli, which may affect an individual’s ability to focus and engage in their learning environment.

Key elements of a neurodiverse-friendly quiet spaces:

1.Sensory-Friendly Zones:

Low-stimulation environments with soft lighting, muted colors, and soundproofing are crucial for neurodiverse individuals. Quiet rooms and sensory break areas offer spaces for concentration and relief from sensory overload, featuring calming elements like comfortable seating and adjustable lighting.

2.Sensory-Friendly Lighting:

Soft, adjustable lighting, especially natural light, is essential to reduce sensory discomfort, avoiding harsh or flickering lights that can be overwhelming.

3.Noise Control:

To address noise sensitivity, use sound-absorbing materials and provide noise-cancelling headphones, creating a quieter, more focused environment.

4.Quiet and Calm Spaces:

Designate areas with comfortable seating and soothing colors to create peaceful, private spaces for relaxation and solitude.

5.Flexible Furniture:

Modular, adjustable furniture accommodates varied seating and workspace needs, offering options like standing desks and ergonomic chairs.

6.Visual Supports:

Visual aids, such as schedules and timers, help neurodiverse students understand routines better, reducing anxiety and improving focus.

7.Sensory Tools and Resources:

Providing sensory tools like fidget toys and weighted blankets supports self-regulation and stress management in quiet spaces.

8.Color Palette:

A calming, neutral color palette with soft tones minimizes visual distractions and promotes a serene environment.

Inclusive design should not be treated as a commercial venture. Rather, it should be seen as a crucial step towards creating a more inclusive and understanding society.

The focus should be on educating people about neuro-diversity and promoting acceptance and inclusion of individuals on the autism spectrum, rather than using autism as a marketing tool to sell products or services. It is important to remember that autism is a neurological difference, not a disease or a defect, and individuals with autism deserve the same respect and opportunities as anyone else.

Therefore, it is essential to raise awareness about autism in a meaningful way that promotes understanding and acceptance.

Acoustic Solutions

Acoustic panels can play a significant role in supporting individuals with autism. For people on the autism spectrum, sensitivity to noise and other sensory stimuli can be a major challenge. This can lead to anxiety, stress, and difficulty concentrating, especially in busy environments like classrooms or workplaces. Acoustic panels help to reduce noise levels and create a more calming and comfortable environment, which can be especially beneficial for individuals with autism.

By absorbing sound and reducing echoes, acoustic panels can also help to improve speech clarity and communication. This can be particularly important for those with autism who may struggle with language and communication skills.

Our Commitments

A. Comprehensive Acoustic Assessments

A crucial first step in creating a sensory-friendly space is conducting a comprehensive acoustic assessment. This in-depth evaluation helps identify the specific auditory needs of the person on the autism spectrum, ensuring that the acoustic solutions provided are truly tailored to their unique requirements.

B. Customised Acoustic Design

Neurotypical individuals may experience sensory overloads in high stimulated environments making it difficult to focus, learn, and engage with their surroundings. Customised acoustic design provides an innovative solution to these challenges, creating sensory-friendly spaces that empower and support neurotypical.

C. Seamless Implementation

Our dedicated team collaborates closely with you to flawlessly incorporate tailor made acoustic solutions into your environment, elevating the sensory experience for individuals with autism while preserving the comforting familiarity they are familiar with.

D. Consultancy & Ongoing Support

We understand that creating an optimal sensory environment is an ongoing journey. People’s needs evolve over time, and we are committed to providing continuous support, ensuring the acoustic solutions we offer continue to serve them well in the long term.

Helpful Organisations:



Wool Benefits for Neural Diverse Design

1. Natural Insulation

Wool offers superior thermal and acoustic insulation, creating a balanced and quiet indoor environment. This reduces sensory overload, promotes focus, and enhances mental peace, crucial for neurodiverse individuals.

2. Air Quality Improvement

Wool naturally absorbs pollutants like formaldehyde and nitrogen dioxide, improving indoor air quality. Clean air contributes to better respiratory health and increased cognitive function, helping individuals process information more effectively.

3. Hypoallergenic Properties

Unlike synthetic materials, wool resists dust mites and allergens, reducing respiratory irritants. A cleaner, healthier environment lowers stress levels and supports mental clarity, benefiting individuals with heightened sensitivities.

4. Moisture Regulation

Wool absorbs and releases moisture to maintain optimal humidity levels, preventing air from becoming too dry or too damp. A well-balanced atmosphere reduces discomfort, fostering emotional stability and relaxation.

5. Durability and Comfort

Soft yet resilient, wool provides physical comfort while maintaining long-lasting quality. A comfortable space enhances relaxation and sensory well-being, especially for individuals sensitive to tactile stimuli.

6. Natural Aesthetic and Connection

Wool's organic texture and appearance evoke a sense of connection to nature, reducing stress and enhancing mental tranquility. Biophilic design principles show that natural materials help regulate emotions and improve overall well-being.

7. Eco-Friendly and Sustainable

As a renewable resource, wool aligns with sustainable living, promoting a sense of environmental responsibility. An eco-conscious space can reduce anxiety related to environmental concerns and contribute to mental well-being.

8. Temperature Regulation

Wool naturally keeps interiors warm in winter and cool in summer, maintaining a comfortable temperature that supports relaxation and stress reduction. Consistent comfort levels help create a more predictable and calming environment for neurodiverse individuals.

9. Fire Resistance

Wool's inherent fire-resistant properties enhance safety, contributing to a more secure living space. A sense of safety and stability is essential for reducing anxiety and fostering a peaceful mindset.

“A secure living environment can reduce stress and improve overall mental well-being.”

“The application of Wool for interiors surfaces includes upholstery, acoustics walls, ceiling fabrics and rugs can play a significant role in promoting neural health and overall wellness, embracing sustainable practices.”



Neurodiversity & Sensory Design

Custom Printed Calmtone,
Vibe Glide, Desk Dividers.

Project: AsIAM Ireland's
Autism Charity

We aimed to develop an environment that is friendly for individuals with autism by implementing thoughtfully crafted acoustic solutions that resonate with the brand's identity.



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