SDG

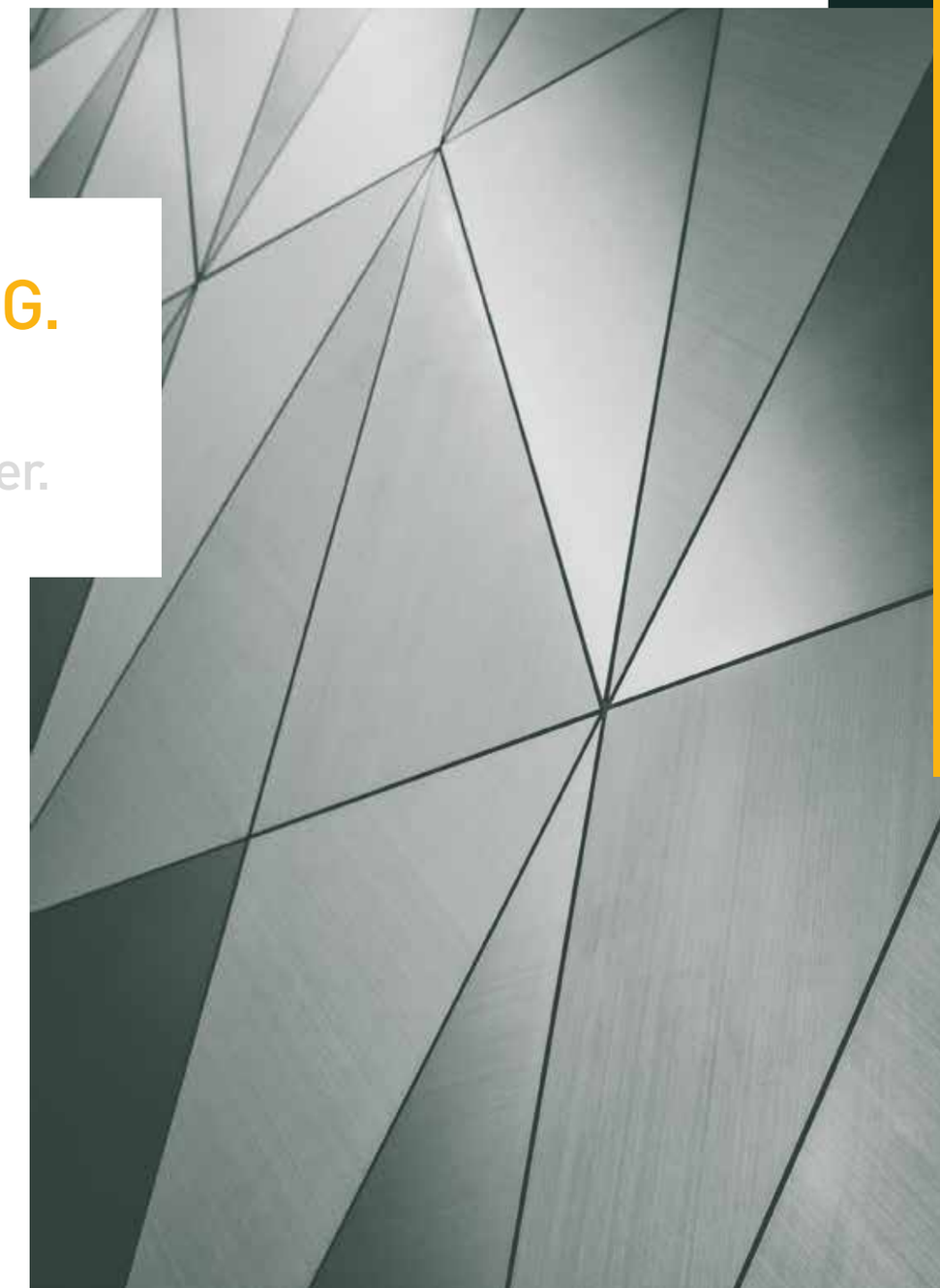
STRONGER TOGETHER

Product Catalogue

ESSENTIAL COMPONENTS FOR EVERY STAGE OF CONSTRUCTION

Welcome to SDG.

Your essential construction partner.



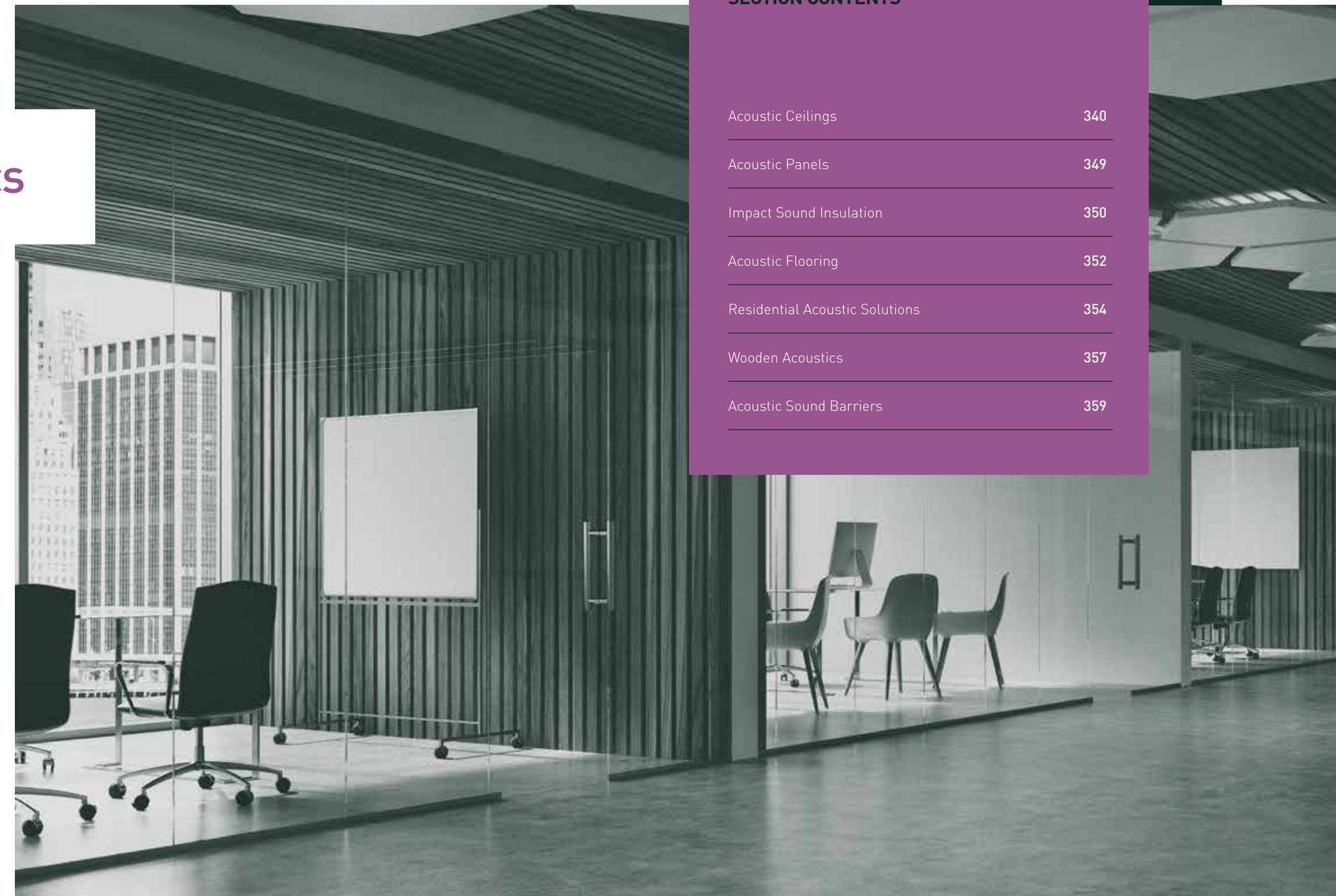
Stronger, together.

We work with manufacturers, contractors, engineers and designers, supplying essential components that improve safety, enhance quality and drive efficiency at every stage of construction.

At SDG we are trusted suppliers, and experts in construction solutions. We are planners, collaborators and designers; fixers, thinkers and expert problem solvers. We're an end-to-end construction project partner, bespoke and best in class. By working closely with our customers; by adding value at every stage; by doing everything they expect and so much more, we share their success and become stronger, together.

- TECHNICAL INNOVATION
- PRECAST ACCESSORIES
- CONSTRUCTION ACCESSORIES
- WATERPROOFING
- ACOUSTICS

Acoustics



SECTION CONTENTS

Contact our sales team:
wearesdg.com
+44 (0) 28 3752 8999

Our partner Vogl Deckensysteme GmbH are market leaders in the supply of acoustic ceilings.

Acoustic design ceilings are the most significant instrument in the acoustic design of a room.
In determining the right sound absorption, various factors such as room volume or planned utilisation play a major role. Acoustic ceilings can also be convincing from a design point of view.

An individual calculation must be performed for each construction object in order to come up with the right room acoustics.

Three applications for absorbing materials are available to suit the different purposes:

- Room acoustic design
- Noise reduction
- Control of reverb time

Perforated Acoustic Ceiling

Vogl Fuge®

In drywall construction, acoustic design ceilings meet the highest demands in function and aesthetics. Particularly in highly frequented areas, acoustic ceiling systems not only serve as sound absorbers but also have cooling elements and create an eye catching design at the same time. For this reason, precision in installation is particularly important. Unlike conventional ceiling solutions, slight errors in installation are immediately visible to the naked eye in the finished product and can effect the final appearance.

This is where the VoglFuge® system comes into its own, as a system which achieves acoustic design ceilings quickly, economically and with the most reliability during installation for guaranteed results.

The acoustic design panels / absorption panels are classified in building material class A2 – s1, d0 in compliance with European standard DIN13501-1

Acoustic performance and air purification effect (absorption). There are numerous pattern designs to choose from giving you the finish and design required.

Black or white acoustic fleece backing is available (other fleece colours available on request), four-side sharp-edged with under-cut for installation using the quickest and most secure 'edge-to-edge' laying principle.

Other available options: acoustic design panels with non-perforated edges, block perforation, applications, manufactured in accordance with customer designs and ceiling plans.

Delivery includes VoglFuge System Kit (incl. perforated panel screws SN 3.5 x 30).

Based on standard: EN 14190 'Gypsum plasterboard products from reprocessing'

Fire rating: A2-s1, d0 (non-flammable) according to EN 13501-1
Long edge: SK (sharp-edged)
Short edge: SK (sharp-edged)

Benefits of the VoglFuge® system include:

The unique joint technology offers maximum reliability for installation and finishes:

- Quick mounting of panels – 'edge-to-edge'
- No more complex panel alignment
- Quickest possible joint finishing with our unique VoglFuge system.
- Significant time saving due to quick installation and drying times
- Maximum crack resistance
- Significantly less dust and moisture






SPECIFICATION OVERLEAF →

Available Perforations

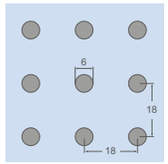
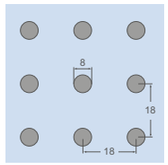
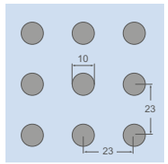
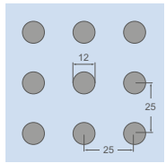
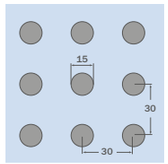
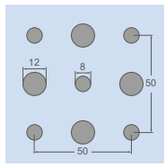
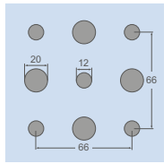
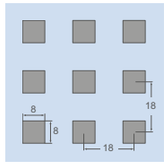
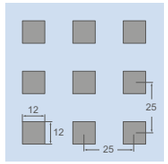
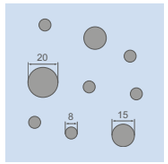
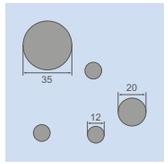
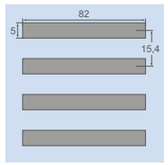
IMAGE	DESCRIPTION	SIZE	PERFORATED AREA	MASS	M² PALLET	PANELS
	**Acoustic design panel VF 6/18R** Acoustic fleece, black or white	1188 x 1998 x 12.5 mm	8.7%	9.1 kg/m²	59.3m²	25pcs
	**Acoustic design panel VF 8/18R** Acoustic fleece, black or white	1188 x 1998 x 12.5 mm	15.5%	8.5 kg/m²	59.3m²	25pcs
	**Acoustic design panel VF 10/23R** Acoustic fleece, black or white	1196 x 2001 x 12.5 mm	14.8%	8.5 kg/m²	59.8m²	25pcs
	**Acoustic design panel VF 12/25R** Acoustic fleece, black or white	1200 x 2000 x 12.5 mm	18.1%	8.5 kg/m²	60.0m²	25pcs
	**Acoustic design panel VF 15/30R** Acoustic fleece, black or white	1200 x 2000 x 12.5 mm	19.6%	8.0 kg/m²	59.4m²	25pcs
	**Acoustic design panel VF 8/12/50R** Acoustic fleece, black or white	1200 x 2000 x 12.5 mm	13.1%	8.7 kg/m²	60.0m²	25pcs

IMAGE	DESCRIPTION	SIZE	PERFORATED AREA	MASS	M² PALLET	PANELS
	**Acoustic design panel** Acoustic fleece, black or white	1188 x 1980 x 12.5 mm	19.6%	8.0 kg/m²	58.8m²	25pcs
	**Acoustic design panel VF 8/18Q** Acoustic fleece, black or white	1188 x 1980 x 12.5 mm	19.8%	8.0 kg/m²	59.3m²	25pcs
	**Acoustic design panel VF 12/25Q** Acoustic fleece, black or white	1200 x 2000 x 12.5 mm	23.0%	7.7 kg/m²	60.0m²	25pcs
	**Acoustic design panel VF 8/15/20R** Acoustic fleece, black or white	1200 x 2000 x 12.5 mm	9.5%	9.1 kg/m²	60.0m²*	25pcs
	**Acoustic design panel VF 12/20/35R** Acoustic fleece, black or white	1200 x 2000 x 12.5 mm	11.0%	8.9kg/m²	60.0m²*	25pcs
	**Acoustic design panel VF 5/82/15.4SL** Acoustic fleece, black or white	1186 x 1984 x 12.5 mm	21.5%	7.9kg/m²	58.8m²	25pcs

Acoustic Plaster Ceiling

Vogl Toptec®: Spray Applied

Perfection in acoustic plaster ceilings is a question of technique.

Acoustic spray applied plaster come into consideration where a considerable improvement in room acoustics is required and are often combined with our highly effective acoustic perforation panels on both ceilings and walls. Each of these techniques can offer a highly effective acoustic solution. Together they are unbeatable in terms of aesthetics and sound absorption.

Until now, working with conventional gypsum-based panels was more like using traditional smooth plasterboard panels than a modern construction method. VoglToptec® works differently and, above all, without requiring jointing, making VoglTopec® Economical and ultra-efficient.

Advantages:

- Elimination of panel jointing results in considerable increase in perforated area, thus enhancing acoustic efficiency
- Quicker and more economical installation due to precise edge-to-edge mounting technique
- Sound absorption coefficient of up to αw = 0.95 (absorption class A)
- All from one source: The complete system, perfectly harmonised and tested
- Delivery includes Vogl screw kit

Acoustic Floating Ceiling

Perfectly created floating ceilings lastingly upgrade any conventional ceiling construction. They improve the sound absorption and thus selectively contribute to improved room acoustics. Furthermore, they offer the possibility of integrating chilled ceiling floating elements and fitted ceiling components (sprinklers, illumination, ventilation etc.) in great variability and always accessible. Vogl floating ceilings are manufactured upon request within a short time of drawing approval in accordance with customer specifications, pre-assembled and - if huge in size - disassembled again into easy-to-handle segments to facilitate logistics to the construction site. Simple assembly technique assures easy handling and especially quick installation.

Perfectly shaped from factory.

The unique pre-assembly offers substantial advantages:

- Appealing surface without any visible panel edges
- Great diversity in form, colour and performance
- Ideal to add to existing ceilings
- Easy to install
- Individual solutions are standards and can be realised quickly
- Also available pigmented throughout
- Perfectly pre-fabricated floating ceilings for direct final installation – there is no easier way

Vogl Access Panels

Access panels that are barely visible – Technology perfectly integrated

Acoustic ceilings usually have more than one function. The ceiling void often is used to accommodate technical installations such as lighting, air conditioning, sound or sprinkler systems. Access panels are necessary to make these services accessible for inspection and maintenance after installation of the acoustic ceiling, but they used to disturb the beauty of the ceiling. Vogl Access Panels offer unbeatable performance for easy access to services while retaining the design elements of the ceiling.

The perforated panel which is inserted into the frame offers and identical perforation pattern to the Vogl acoustic design ceiling. This makes the access panel an integrated and harmonised part of the acoustic design ceiling.

Available in sizes; 300x300mm, 450x450mm and 600x600mm.

Benefits:

- Sturdy, high-quality aluminium frame for dimensional stability
- Diverse perforation patterns factory prepared
- Consistency in the rows of perforation throughout the ceiling
- Best acoustic characteristics due to factory-applied acoustic fleece – perforated panel inlet
- Secure locking mechanism prevents the panel from dropping accidentally while being opened
- Customised special designs can be produced
- Convenient opening and closing mechanism
- Surrounding seal in the panel frame prevents unwanted air flow and dust deposits

Pre-Formed Bulk Head Board

Vogl Fold Fix®

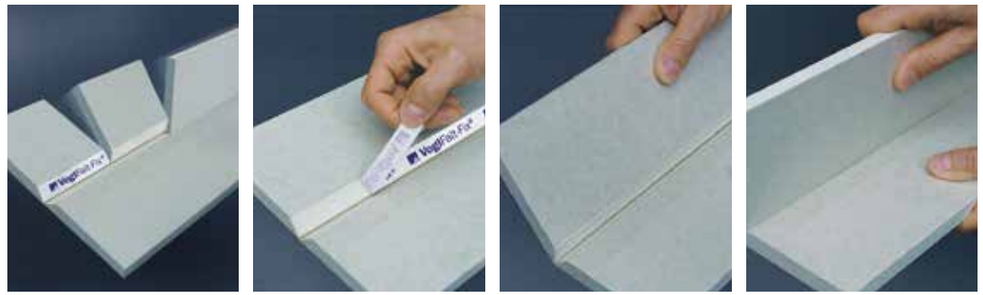
Record Results on all Corners and Edges

Neat, exact and uniform corner connections of coverings and moulded components of gypsum board are a special challenge for the on-site installation.

The effort which is required for perfect results is either very high - or very small if you use Vogl Fold Fix®. The moulded components with Vogl Fold Fix® are so cleverly milled that the sturdy paper liner of the gypsum board remains undamaged.

The stable connection is accomplished with a factory-mounted, double-sided adhesive tape.

In addition to the space-saving transportation of the moulded components, another advantage of the Vogl Fold Fix® system is that the assembly on site takes just a few simple steps.



The ultimate in easy installation:

- Space-saving, cost-effective transportation due to flat delivery for economic job site handling
- Significantly reduced expenditure of time and costs in stepped moulded components and coverings
- The Fold Fix adhesive tape develops maximum adhesion immediately
- Precise pre-fabrication and easiest assembly without time-consuming finishing work provide maximum application and result reliability
- Rational joining to perforated ceiling panels done with ease

Pre-Formed Special Elements

Curved Ceilings in any shape

Competence is called for when it comes to the planning and manufacture of vault ceilings, domes or free shapes. Our long-standing experience and absolute precision in the production of curved moulded components enable us to achieve the complex interaction between the individual components of steel and gypsum. In this process, it is not only the design that counts. Another aspect of great importance to us is the ease of handling during transport and on the job site. So we package the prefabricated moulded elements ready for shipment and deliver them to their destination.

Acoustic Wall Absorb Panels

Provide an aesthetically pleasing solution to control reverberation time and increase the acoustic absorption of any space. Widely used in classrooms, recording studios, offices, cinemas, reception areas and atriums, these panels can provide up to Class A absorption either as a complete wall covering or as a number of individually manufactured panels.

Our Absorb Panels feature a highly absorbent glass fibre core wrapped in an aesthetically pleasing, acoustically transparent fabric.

The edges are reinforced to provide a perfect square edge. Class A acoustic absorption rating can be achieved with our 40mm or 50mm panel as standard.

Visit our website to see the full range of Acoustic Wall Absorb Panels.

Acoustic Baffles

Discover the limitless design flexibility of our Absorb Baffle; a lightweight and semi-rigid panel that has sound absorbing properties. Designed with solid colour throughout, our Baffle has the potential to be used with a large array of spatial design and interior solutions. More than just a traditional interior acoustic panel, the Baffle can be employed as a base material for creative solutions where design and aesthetics are important.

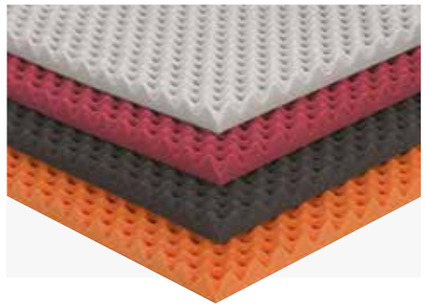
The Acoustic Baffle is made from 100% polyester and manufactured in the UK. Containing a minimum of 65% post-consumer recycled material. Our Baffle is completely safe, non-toxic, non-allergenic and non-irritant.

Absorb Switch also available. These are high-pressure sprayed baffles and rafts. They have high quality adhesion and sealed edges. They are a cost effective solution to a complex problem.

Acoustic Foam

Acoustic Foam is highly effective in terms of sound insulation and sound absorption. The sound absorbing element can be used in many different application areas which a choice of base material (available in different fire protection classes and colours) and different material thicknesses.

Contact us for more information:
wearesdg.com



Properties:

- Outstanding acoustic properties
- Attractive appearance with a convoluted surface
- Conversion of sound into thermal energy based on open celled pore structure
- Professional acoustic solution for various application areas
- Creative design versatility through different formats, thicknesses and colours
- Equally suitable for wall and floor assembly
- Available with optional flame-retardant additive in different fire protection classes
- Made of special acoustic foam that, compared to conventional foams within xenon tests, take a considerably longer time until showing colour changes, thus have superior light ageing properties
- Free of mineral fibre
- CFC-free

Underscreed Acoustics

SDG's range of underscreed rubber is a floor underlay for footfall sound reduction and thermal insulation used in building construction and renovation. Suitable for underscreed applications and can also be used above screed especially in wet rooms under ceramic tiles.

Peace and Quiet is a primary basic need in today's society and of great importance. An effective impact, footfall sound reduction and vibration isolation improves quality of life provides living comfort and a good working atmosphere. Our customers can find a wide range of products for acoustic insulation as well as for vibration deadening for different requirements and application areas with SDG.

Applications:

- Production halls and depots
- Shopping centres
- Concert halls, Cinemas
- Fitness centres
- Public buildings
- Schools, training centres
- Recording studios
- Acoustic test laboratories
- Hotels
- Apartments

Benefits:

- European Technical Approvals (CE label)
- Excellent noise insulation with a low panel thickness
- Outstanding compressive strength and load-bearing performance permanently elastic
- Highest resiliency even after years of use (does not compress and reduce sound absorption)
- Waterproofed and rot-proofed
- Environmentally friendly, recycled rubber
- Allows planners to save heights in new buildings or adapt to given conditions in the case of renovation
- Materials used are fully recyclable
- Fast and easy installation
- High pressure load capacity
- Excellent elasticity and fast, easy installation with available thickness of 4mm to 17mm

ACOUSTIC FLOORING

SDG work in partnership with Isomass Ltd. Together we are one of the UK and Ireland's largest suppliers of acoustic floor, wall and ceiling systems for architectural and domestic projects.

Our domestic acoustic flooring, wall and ceiling solutions are designed to control intrusive noise whether it is airborne sound from speech, televisions or impact noise from footsteps, banging or slamming doors.

Acoustics for Timber Floors

Monodeck 17T, 26T and 30 T systems are designed to reduce transmission through timber floors in situations where finished floor height is not critical.

Monodeck 26T and Monodeck 30T boards consist of a layer of 8mm reconstituted ACF bonded to 18mm or 22mm V313 P5 moisture resistant chipboard; Monodeck 17T boards consist of a layer of 8mm reconstituted ACF (Acoustic Chip Foam) bonded to 9mm moisture resistant medium-density fibreboard.

When installed as part of an Isomass approved separating floor construction either system enables a traditional timber joisted floor to meet the sound transmission standards of Approved Document E 2003 and subsequent amendments in 2004, 2010, 2013 and 2015.

Applications:

To be used over existing floorboards for conversions, refurbishments or new build with a new resilient bar ceiling.

Benefits:

- Closed cells prevent water absorption which can impair
- Simple to install with highly efficient results
- Reduces impact sound transmission in finished wooden floors
- Includes a moisture-resistant chipboard

Acoustics for Concrete Floors

Isocheck Cradle acoustic flooring system is designed to reduce impact sound transmission through uneven or cambered concrete floors by elevating the floor on timber battens that are supported by a pre-treated adjustable plastic cradle (Otherwise, can be referred to as an acoustic saddle). This system not only facilitates the incorporation of services but is also frequently specified with water based underfloor heating systems.

Isocheck Cradle consists of a 5mm layer of Isopoli HD foam bonded to an injection moulded plastic cradle. The system includes levelling packers in various thicknesses as well as elevating blocks where a greater degree of height is required beneath the acoustic cradle.

When installed as part of a complete party floor construction this system enables a concrete floor to meet the sound transmission standards of Approved Document E 2003 and subsequent amendments in 2004,2010,2013 and 2015.

Applications:

To be used over hollow core, cast in-situ or supported metal deck concrete floors for new build or various types of conversion.

Benefits:

- Reduces impact sound transmission through concrete floors.
- Corrects uneven or cambered concrete floors.

Acoustic overlay for Joisted Timber Flooring

Isocheck RENOVO acoustic flooring system is designed to reduce impact sound transmission through traditional joisted timber floors where there is little or no access available to enhance the ceiling below for both sound insulation and additional fire protection.

Isocheck RENOVO consists of 8mm environmentally friendly Ecopoli resilient layer bonded to 18mm p5 moisture resistant chipboard.

When installed as part of a complete party floor construction either system enables a traditional timber joisted floor to meet the sound transmission standards of Approved Document E 2003 and subsequent amendments in 2004, 2010, 2013 and 2015.

Applications:

To be used directly over existing floorboards in refurbishment, conversion, and listed building projects.

Benefits:

- Tested by NHBC and UKAS or ANC compliant consultants for use in conversion applications and meets performance requirements as specified in the latest version of approved document E of the building regulations with or without the use of a proprietary resilient bar or MF suspended ceiling system. (further guidance is available on floors with direct fixed ceilings, as some shallower constructions may require a different approach).
- Ideal for listed buildings – incorporated over the floorboards or chipboard. This method is second fix making it one of the last operations, thus avoiding costly protection which is often necessary on alternative direct to joist systems.

Acoustic Treatments for Walls and Ceilings

Isowave 23 consists of a 10mm Isowave acoustic foam measured to BS EN ISO 845:2009 bonded to 12.5mm high density, square edged fibre-reinforced gypsum board. The system incorporates acoustic foam which is semi rigid and is an excellent absorber with high damping characteristics when bonded to an acoustically reflective stiff surface. Isowave foam is manufactured using water as a blowing agent and is free of CFCs, HFCs or HCFCs. The acoustic ceiling system complies with requirements of EU Regulation No 2037/2000 for ozone depletion and offers good thermal properties.

The Isowave 23 acoustic wall system is for the treatment of excessive flanking sound that bypasses a separating floor via lightweight structural walls. The Isowave 23 acoustic wall system is used to enhance a wall that is found to underperform or to provide a high-performance wall commonly used in home cinemas/studios.

Also in situations where commercial activities adjoin a dwelling or for upgrading separating walls where there is limited space. This is a versatile system used in refurbishments or new build with a decoupled ceiling as illustrated or otherwise approved by Isomass.

This is a versatile system used in refurbishments or new build with a decoupled ceiling as illustrated or otherwise approved by Isomass.

Isowave 23 acoustic ceiling system complies with requirements of EU Regulation No 2037/2000 for ozone depletion and offers good thermal properties.

Applications:

To construct or upgrade separating ceilings for conversions, new build and refurbishments projects.

Benefits:

- Reduces unwanted flanking noise in order to comply with Approved Document E 2003 and subsequent amendments.
- Fire protection 30 minutes for a single layer.

WALLS

CEILINGS

Isolation Strip

Enhance impact sound on walls

Our Isolation Strip is ideal for upgrades when looking to increase impact sound insulation from footfall noise on floors and reduce structure-borne noise from doors closing and light switches on stud walls.

It has no adverse effect on the structural stability of the walls and its adhesive backing ensures it can be held in position as the work progresses.

The Isolating Strips are composed of cross linked Isopoli foam with a self-adhesive layer on one side.

They are designed to enhance impact sound insulation when used within all types of construction by isolating timber, steel and masonry separating and partition walls.

Applications:

Can be used on timber, steel and masonry separating and partition walls.

Benefits:

- Ideal for upgrades when looking to increase impact sound insulation from foot fall noise on floors and reduce structure-borne noise from doors closing and light switches on stud walls.
- Has no adverse effect on the structural stability of the walls and its adhesive backing ensures it can be held in position as the work progresses.

Décorslat Wooden Slatted Panels

Our Wood veneered wall and ceiling panels provide high-end acoustics through a unique milling and groove patterns. These panels can be used for walls and ceilings, with an excellent acoustic absorption for public and private spaces, auditoriums, theatres, hotels, offices. Timber slats add a warm and natural feel that is unobtainable through any other material. SDG acoustic timber slats add another dimension to the comfort that timber offers, through their excellent acoustic qualities. When backed with our acoustic absorption material, the reduction in incidental noise is dramatic and of great consequence to the inhabitants of the area. The three-dimensional effect of timber panels can be enhanced by separating and dispersing the panels, creating a continuous linear look that delivers light and air into the environment.

Décorslat Max Wooden Beams

Lightweight larger slats offer even greater freedom in 3D design without compromising on acoustic performance.

Our Max slatsoffers a range of fixing options to suit any project. In contrast to Slat panels, Max is supplied as beams. Quick easy fixing cleats create ease for installation.

Cisilent® Flexible Noise Control: Flexible Acoustic Sound Barriers

Noise control – the easy way

Flexible Sound Barrier for various purposes.

Rising environmental awareness and the knowledge of health damaging effects caused by intensive noise demand efficient countermeasures. In those cases where common products can only be used restrictedly, the CISILENT® sound barrier reveals its great advantages. This applies to indoor and outdoor locations, where spatial, technical, weight or other restrictions do not allow other options than CISILENT®

Applications:

- Near busy main roads
- Sport facilities
- Open-air concerts
- Shunting yards
- Building sites
- Airports
- Indoors, e.g. in production halls etc.

Benefits:

- With CISILENT® sound-proofing problems can be solved efficiently
- Little space needed for installation
- Low transport weight
- Simple assembling also allows mobile applications
- The flexible CISILENT® sound barrier reaches a sound insulating value of Rw = 25 dB despite being a fraction of the weight compared with other noise barriers
- Massive elements of the same area weight as CISILENT® insulate noise less, because they are more rigid and radiate sound themselves again from their outer surface
- The flexible CISILENT® however, fully uses the noise insulating effect of the area related mass
- CISILENT® is good for the well-being and fitness

Still looking for something?

Visit our website for further product information or call our sales team to speak to one of our expert advisors.

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mpa British Precast Member

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