

PRODUCT BROCHURE

ELEGANZA

KNAUFCEILING
Solutions





DESIGN FOR THE SENSES

// Creating future-focused, eco-friendly buildings doesn't just mean designing for how people will use a space. It means designing for how they'll feel using that space. Sustainability and wellbeing go hand in hand – which means your approach and the systems you use need to help you design for the senses. Open up welcoming spaces, minimise unwelcome noise.

That's why we created ELEGANZA: a ceiling system featuring seamless, monolithic looks to please the eye and outstanding sound absorption to cater for the ear. It's the perfect balance of sight and sound, beauty and performance – a surface that quietly enhances the spaces around people, improving their physical experience of them.

ELEGANZA puts sensory design at the core of your constructions. And as a complete system that's quicker, easier, more flexible and more cost-effective to install, it's also designed for another sense: common sense. So, everyone across the whole project team can feel better about the spaces you create.

PROJECT
DePetrus Church, Vught

CONTRACTOR
Pennings Akoestiek

COUNTRY
Netherlands

SEE, HEAR AND FEEL



- **Brighter spaces**

100% seamless, monolithic visuals, with no visible joints, reflect light to open up rooms.

- **Perfect acoustical comfort**

Class A acoustical absorption helps people hear and be heard with less crowd noise.

- **Lighter for longer**

Durable, finely textured blue-white surface helps your room stay brighter and whiter for longer.

- **Easier to install**

With larger panels and fewer joints, it's faster and simpler for trained installers to fit – and more cost-effective for your project.

- **A complete system solution**

Installed on Knauf Ceiling Solutions Rapid'Fix System, with standard compatible accessories. Everything you need to create a great space, all in one place.



CASE STUDY

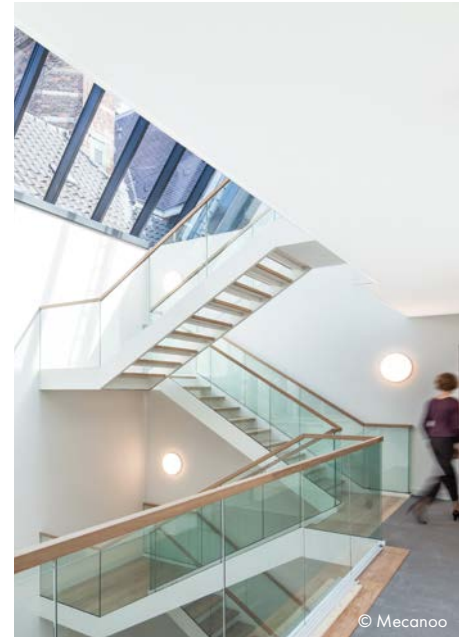
DELFT WATER BOARD NETHERLANDS



// As part of an €18m renovation of the Delft Water Board's head office, Architectenbureau Mecanoo designed a contemporary solution: a bright, open and bustling space which offered more to employees and visitors alike.

The challenge of creating this space, however, was sound absorption. Faced with higher occupancy levels post-renovation, how could the team give people a better auditory as well as physical space? ELEGANZA presented the ideal solution: a seamless, bright white ceiling that reflected the team's focus on light, open spaces, alongside class-leading sound absorption to help the water board's employees and guests hear and be heard amid the buzz of the crowd.

ELEGANZA was used throughout the development, from walkways, corridors and stairs to entrance hall, restaurant and meeting spaces. The system also helped reconcile old and new parts of the building, making renovation quicker and simpler, while giving the building a clean, contemporary look that's easy to maintain – the perfect blend of aesthetics and functionality.



The stone bricks on the floor and glass enclosure called for ceilings that would absorb sound perfectly. The ELEGANZA ceiling more than meets that requirement.

Yuri Sigmond, Project Manager
Architectenbureau Mecanoo



PROJECT
Delft Water Board

ARCHITECT
Mecanoo

CONTRACTOR
Pennings Akoestiek

COUNTRY
Netherlands

SPACE FOR PEACE AND QUIET

// The spaces we live in should create more
of the calm we need to feel at home.



Whether it's a noisy open-plan living room when the children are home from school, or a compact studio apartment in the heart of the city, ELEGANZA helps turn housing into homes – giving residents brighter, quieter spaces that enhance wellbeing, aid focus, and deliver a higher standard of living. And, being just as suitable for workspaces, public spaces and private spaces, ELEGANZA ensures that wherever you go, you can live life in comfort.

ELEGANZA can quieten any office into a space to focus and collaborate. It can transform bustling restaurants into intimate dining experiences, and bring order to leisure and retail. It can turn noisy classrooms and cavernous lecture halls into theatres for listening and learning – and give every tenant in an apartment block their

own space to live. It does all this through an uncompromising balance of outstanding acoustic control and stunning seamless visuals. Just imagine what it could do for your next project.




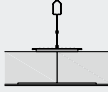



















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ELEGANZA

- ELEGANZA Seamless Acoustics offers a ground breaking new system with a 100% seamless finish featuring an elegant finely textured visual that is robust, durable and enduring. ELEGANZA Seamless Acoustics delivers high-quality sound absorption performance so you can have the best of both worlds: excellent sound absorption and a stunning seamless finish
- Excellent sound absorption ($0.95 \alpha_w$)
- Enhanced endurance against surface pollution due to a sophisticated backfoil technology
- Ideal for restaurants, retail and leisure, office, education and residential

ELEGANZA

Edge details		Seamless 														
Thickness (mm)		25														
Dimensions (mm)		2400 x 1200 (panel)														
System		Seamless - Eleganza														
Weight		Panel weight: 5.4 kg/m ² Finished ceiling ¹⁾ : 7.1 kg/m ²														
Colour		White (RAL colours available on request)														
Sound absorption		EN ISO 354 $\alpha_w = \mathbf{0.95}$ as per EN ISO 11654 - Class A <table border="1"> <thead> <tr> <th>Frequency f (Hz)</th> <th>125</th> <th>250</th> <th>500</th> <th>1000</th> <th>2000</th> <th>4000</th> </tr> </thead> <tbody> <tr> <td>α_p</td> <td>0.45</td> <td>0.80</td> <td>0.90</td> <td>0.95</td> <td>1.00</td> <td>1.00</td> </tr> </tbody> </table> NRC = 0.95 as per ASTM C 423	Frequency f (Hz)	125	250	500	1000	2000	4000	α_p	0.45	0.80	0.90	0.95	1.00	1.00
Frequency f (Hz)	125	250	500	1000	2000	4000										
α_p	0.45	0.80	0.90	0.95	1.00	1.00										
Sound attenuation		EN ISO 10848-2 $D_{n,t,w} = \mathbf{33 dB}$ as per EN ISO 717-1 CAC = 33 dB as per ASTM E 413-10														
Sound reduction		EN ISO 10140-2 $R_w = \mathbf{18 dB}$ as per EN ISO 717-1														
Fire reaction		Euroclass A2-s1, d0 ²⁾ as per EN 13501-1														
Light reflectance		Up to 84% (white)														
Thermal conductivity		$\lambda = \mathbf{0.038 W/mk}$ as per EN 12667														
Humidity resistance		95% RH														
Indoor air quality		 A+  IACG														
Cleanability																
Sustainability		67% ²⁾														

¹⁾ Finished ceiling without substructure. This weight is indicative and may vary depending on the specifics of the installation, wastage, and application rates.

²⁾ Applies only to the panel.

For further information please check the ELEGANZA installation guideline.

Products may vary from country to country. Please contact your local sales representative. For further information and legal notice, please visit our website.

YOUR CEILING OUR SOLUTIONS

Knauf Ceiling Solutions GmbH & Co. KG

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