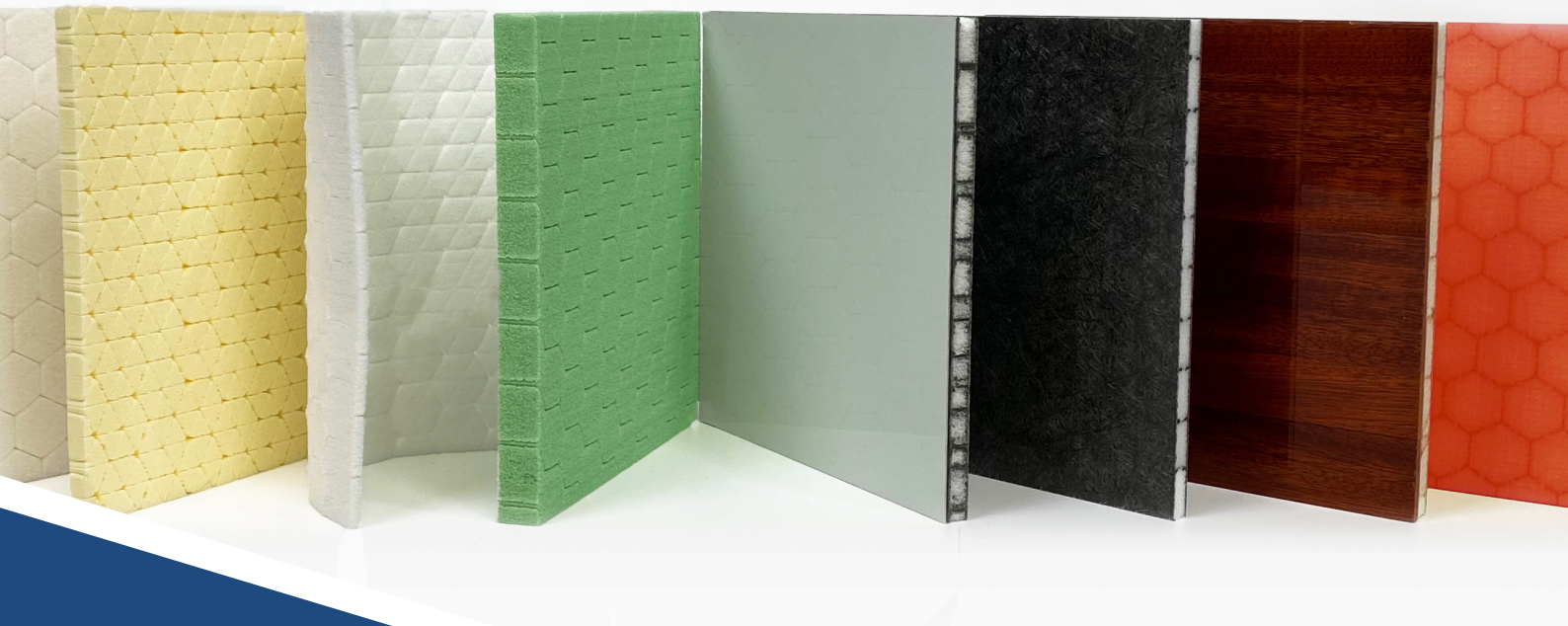




3D|CORE™
all around composites

3D|CORE™ PRODUCTS



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The requirements for technical components are constantly increasing. The premise: high performance with low weight. This requires the use of innovative sandwich composite materials. With our high-quality 3D|CORE™ products you not only get high-strength and lighter components at the same time. In addition, you increase your productivity and optimize the profitability of your production. Each product is suitable for a wide variety of uses and can be tailored to meet your specific requirements.

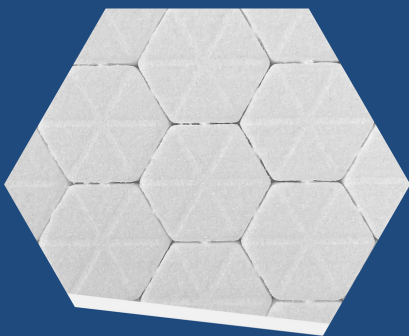
We offer you a selected product range of structure-reinforcing 3D|CORE™ foam cores to produce sandwich components. These can be shape in 3D and guarantee an optimal resin flow. 3D|CORE™ is the first choice for designers and engineers to reduce the weight and increase the rigidity in a sandwich construction.



3D|CORE™ FOAM CORES

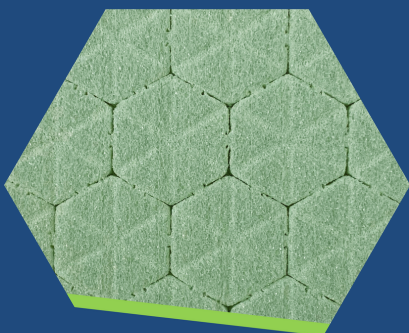
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3D|CORE™ PET

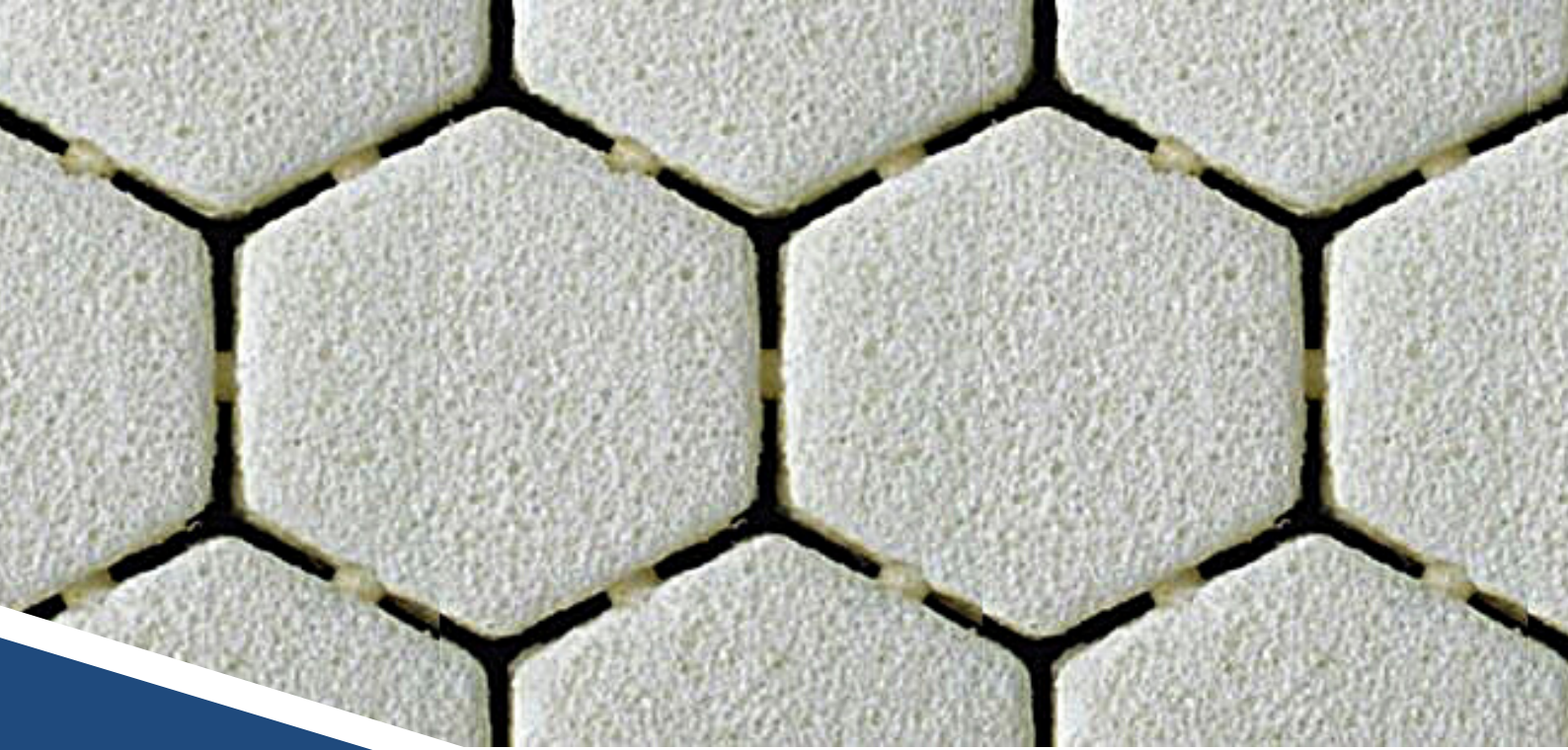


The 3D|CORE™ PET is a closed-cell, thermoplastic and recyclable high-performance rigid foam with excellent technical properties. This core is an all-rounder and is particularly suitable for the construction of high-strength, lightweight components with high permanent loads. The integrated honeycomb structure creates more flexibility and simplifies handling in production. It's available in 150 kg/m³ density.

3D|CORE™ PET GR



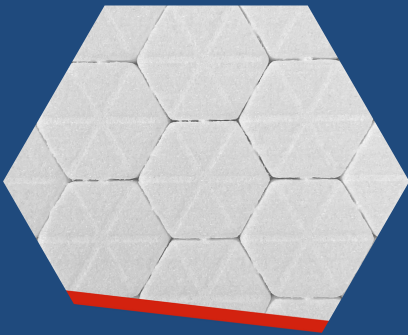
The 3D|CORE™ PET GR foam core is a green foam made from post-consumer plastics. The core is a closed-cell, thermoplastic and recyclable high-performance rigid foam with excellent technical properties. It is suitable for the construction of high-strength, lightweight components for high loads. The integrated honeycomb structure creates more flexibility and simplifies handling in production. The foam core follows the guidelines for the circular economy and contributes to the preservation and improvement of the human environment. It's available in 75 kg/m³, 95 kg/m³ and 200 kg/m³ densities.



3D|CORE™ FOAM CORES

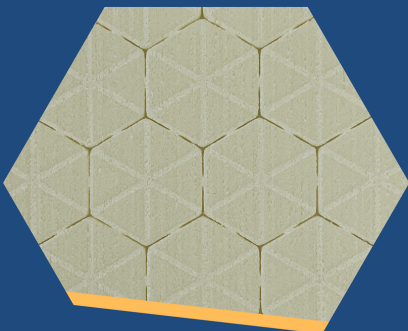
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3D|CORE™ PET FR



The 3D|CORE™ PET FR is a closed-cell, thermoplastic and recyclable high-performance rigid foam with basic FST properties (flame, smoke, toxicity) according to EN 45545-2. The integrated honeycomb structure creates more flexibility and simplifies handling in production. It is suitable for applications to fulfil high fire protection requirements to protect passengers and staff in a fire situation and to evacuate and rescue them. It's available in 95 kg/m³ density.

3D|CORE™ XPS



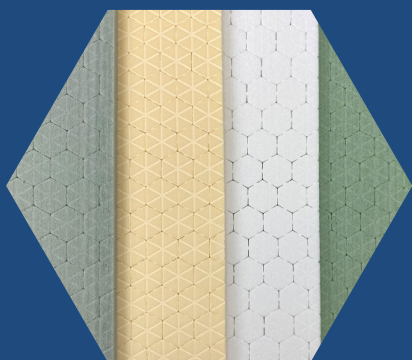
The 3D|CORE™ XPS foam core is a high-performance polystyrene foam that is suitable for ultra-light construction applications. The integrated honeycomb structure creates more flexibility and simplifies handling in production. With the various 3D|CORE™ structures, the technical properties of the foam can be improved to a high-performance core with low weight. It's available in 45 kg/m³ density.



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3D|CORE™ SHEETS



Our 3D|CORE™ SHEETS are the ideal product for lightweight, durable and highly pressure-resistant sandwich constructions. Various high-performance foam cores form the basis. With the help of our different reinforcement structures, the mechanical properties in the composite component can be optimized. Whether flat or curved components, 3D|CORE™ SHEETS are suitable for almost any shape. They are available in 3mm to 29mm thickness.

3D|CORE™ ASSEMBLY KITS



Our various 3D|CORE™ foam cores form the basis of our 3D|CORE™ assembly kits. The basis is a 3D or 2D drawing of your component which is used to generate the required cutting data. By means of nesting, the individual blanks are arranged from the cutting data in such a way that optimal material consumption can be guaranteed. In addition, our engineering team creates a suitable insertion plan with the labeled blanks for your shape. The blanks will be cut precisely, with all angles and curves, according to the final drawings.



3D|CORE™ PRODUCTS

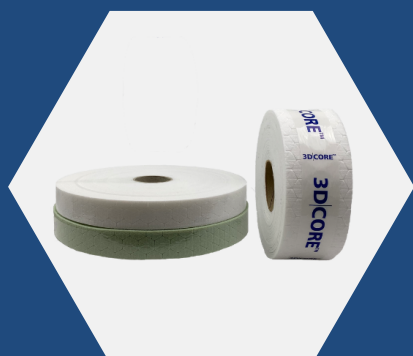
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3D|CORE™ ROLLS



Our 3D|CORE™ PET high-performance foam cores form the basis of the 3D|CORE™ ROLLS. The product can easily be unrolled and enables you to produce larger composite components more quickly. They are available in 3mm to 10mm thickness.

3D|CORE™ TAPES



The 3D|CORE™ TAPES were specially developed for the winding process and simplify the production of rolls and tubes. They are made from our high-performance 3D|CORE™ PET foam cores. Due to the high flexibility enabled by the 3D|CORE™ HX structure and the simple handling, the TAPE can easily be wrapped around the carrier. They are available in 3mm to 10mm thickness.

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ENGINEERING

PROCUREMENT

PRODUCTION

CERTIFICATION

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