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Building the Future with
DuCem

Contact

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DuCem

Product Brochure



About Us

DuCem is an innovative Start-up idea specializing in the development of solutions for the construction industry. At the heart of DuCem's offering is a unique process that makes it possible to coat numerous types of substrates (e.g. drywall such as plasterboard and MDF) with a very thin cement-based paste mixture.

The mixture DuCem uses is the result of extensive studies and tests that examined the effects of various components and their proportions on the surface properties. This has led to a broad base of knowledge in regards to the surface properties that can be achieved.

Our patented Process

DuCem's process consists of applying the cementitious mixture on the substrates and then coating them using a laminating machine. After the coating has hardened, the panels are cut to customer specifications, if necessary. The finished product is unique in that it does not require heating or pressing compared to similar products such as tiles or HPL-boards, which ultimately saves us energy.

surface quality

DuCem's process has been extensively researched, adapted and optimized in terms of mixing behavior. As a result, boards with the highest surface quality can be produced without any pre or after processing and without the usage of resins. of environmentally hazardous resins. Some important characteristics of the coatings are:

- coating thicknesses from 0.5 mm to 2 mm and higher
- crack-free, considerable degree of flexibility, scratch and impact resistant
- low thickness tolerances and smooth surface with ceramic-like haptics
- high fire resistance
- good water repellent and lower than 5% water uptake
- appearance: gloss/matte, profiled and in many different colours



Product Portfolio

Combining high surface finish, fire and water resistance, and ease of installation, DuCem offers a product that is ideal for a wide range of applications in the construction industry.

The areas of application are served depending on the type of substrate. DuCem currently plans to use the following substrates:

Plasterboard

- Thickness: 0,5...2mm
- As a plaster base board and as a finished wall and ceiling cladding at once !



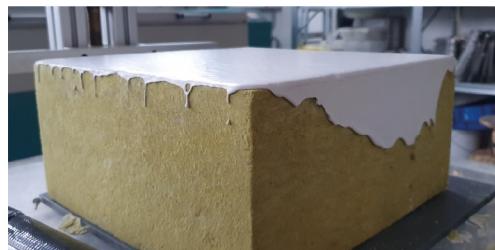
Fiberboard

- Thickness: 0,5...2mm
- Cladding on already existing plaster wall

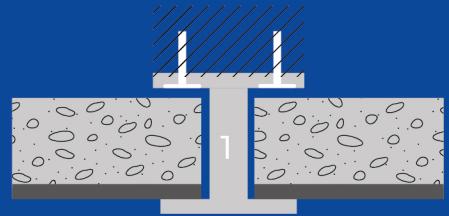


Insulation boards

- Thickness: 1...6mm
- Walk-on floor insulation board



The coated gypsum boards can be mounted e.g. in the stud wall with connecting profiles (1):



The coated MDF or HDF boards are laid similar to ceramic tiles on an existing plaster wall with adhesive mortar or fixed mechanically.

Compressible insulation boards with load-distributing coating for attics subject to higher loads.

Enhancements



Polystyrene

e.g. as damp room building board



Cardboard

For wall or ceiling cladding

Advantages

- + Process without burning and pressing
- + resource-friendly, resin-free composition
- + time-saving, user-friendly assembly
- + easy exchangeability

The Team

Our founding team, consisting of a business administrator, a material engineer and a mechanical engineer, has a wide range of skills and knowledge. Together we are able to provide the necessary business and financial knowledge as well as the technical know-how.

The business administrator brings knowledge in finance, accounting and business strategy, while the two engineers provide the technical understanding and know-how. Although none of the team members have direct experience in sales, our team still has project management and organizational skills that will enable us to be successful.



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Adrian Bajrami**

Inventor
CEO
Product management



**M. Sc.
Benjamin Hiller**

Strategy development
Marketing
Commercial management



**B. Sc.
Serkan Tüter**

Technical director
Distribution

Impressions



Fresh Coating



Series Production



Scale up production site