

DOLANIT[®]
The High-Performance Fiber

www.lenzing.com/plastics



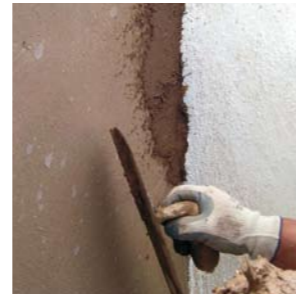
Dolanit® 10
page 6–7



Dolanit® 10 FC
page 8–9



Dolanit® 18
page 10–11



Dolanit® AS
page 12–13



Lenzing Plastics – Business Unit Filaments

Lenzing's Business Unit Filaments belongs to the Plastics company of the Lenzing Group and produces synthetic filaments and fibers. This includes innovative products in the field of dental care, monofilaments, bristles and abrasives made from a range of synthetic polymers as well as acrylic fibers for outdoor textile and technical applications and carbon fiber precursor manufacture.

Lenzing Group — Lenzing provides the global textile and nonwovens industry with high-quality cellulose fibers. Lenzing quality and Lenzing innovative power set standards for man-made cellulose fibers world-wide. Lenzing is committed to the principles of sustainable management and very high environmental standards. Lenzing's core business fibers and plastics are complemented by our activities in the business field plant construction and engineering.



Dolan GmbH

World-class production – technical leadership

The high quality fibers we produce are exported from Kelheim to more than 20 countries throughout the world. Our pilot facilities allow us to specifically develop tailor-made fibers to meet the needs of our customers, with whom we build the close working relationships on which our success is founded.

Our fibers find use in a wide range of applications — from awnings, garden furniture and soft tops for cabriolets to technical products for hot gas filtration and cement reinforcement — and enjoy recognition throughout the world.



Fiber production with integrated processing

Dolan GmbH is unique in her ability to offer integrated on site fiber processing alongside production of acrylic fibers. This includes the production of short cut technical fibers and ground fibers for the composites market. The consistent high quality of our products and our extensive range of tailor-made fibers guarantee the highest possible added value for our customers.

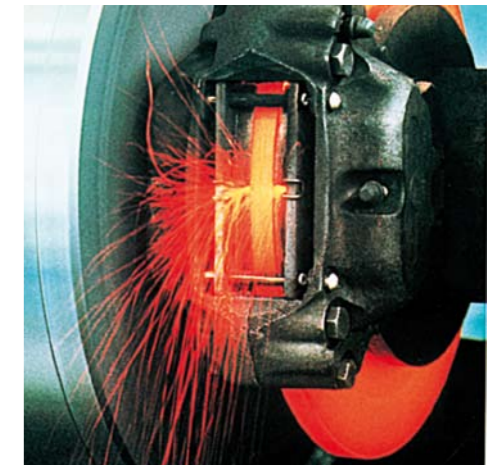


Dolanit® 10

Better braking

Dolanit® 10 is used with great success in high temperature friction applications. For products with a large surface area, such as those found in heavy goods vehicles or rail vehicles, Dolanit® meets all the requirements set for fiber products. At temperatures above 180°C, Dolanit® 10 contributes to the thermal stability of the brake lining and can reduce the operating temperature within the lining by up to 50°C.

Dolanit® 10 also shows outstanding properties in the reinforcement of thermoplastics — for example in the production of polypropylene composites.



Advantages of Dolanit® 10

Compared to glass fibers, Dolanit® has the advantage of significantly lower density delivering many more fibers on a weight for weight basis to the composite structure, resulting in superior impact resistance at lower temperatures.

- Improved stability
- The highest level of processability
- Compatibility with all resin-bonded systems
- Structural reinforcement



Dolanit® 10 FC

The tailor-made solution for fiber cement products

Dolanit® 10 FC is physiologically safe and therefore allows the manufacture of hazard-free fiber cement and other construction products. Dolanit® 10 FC has been used successfully over many years in a wide range of fiber cement products, including the manufacture of small-format ties and cement pipes.



Advantages of Dolanit® 10 FC

- **Reinforcement**

High tensile strength, high initial modulus and good composite adhesion ensure excellent reinforcement of the fiber cement matrix.

- **Product safety**

Dolanit® fibers do not fibrillate and do not form breathable particles. Dolanit® fiber cement products are non-flammable and do not give rise to any toxic gases.

- **Resistance**

High alkali, weather and aging resistance.



Dolanit® 18

Factory mortar and concrete applications

The high tensile strength and modulus of Dolanit® 18 improves the mechanical properties of cementitious composites, for example mortar and concrete applications. In addition a very high alkali resistance prevents premature aging of the structure. Dolanit® 18 is effectively used in screed, flowing screed, repair mortar, tile adhesive and concrete applications. It is equally applicable in adhesive and reinforcement mortar, ultra-light plaster and bituminous composites. With our intelligent fiber solution for fine mix applications fiber dispersion is easily achieved.



Advantages of Dolanit® 18

- Improved homogeneity
- Improved workability
- Benefit of green concrete strength
- Reduced shrinkage crack
- High reinforcement
- Improved ductile properties and impact strength
- High durability



Dolanit[®] AS

Your reliable partner for road construction

Used in split mastic asphalt, Dolanit[®] AS delivers high stability under load, reduced rut formation and a longer operating life. In open-pore asphalt surfaces, Dolanit[®] AS improves drainage performance and reduces tyre noise over the entire life of the road surface. Dolanit[®] AS is hydrophobic and does not swell as a result of water absorption.



Advantages of Dolanit[®] AS

Conventional bitumen with Dolanit[®] AS can replace the use of polymer-modified bitumens, easing handling at the mixing facility and during road laying.



Dolan GmbH

Environmentally friendly and safe

Quality, safety and protection of the environment are priorities in the running of our business. Our company is certified to DIN EN ISO 9001:2008 and AQS.

Environment

The protection of the environment plays a central role at our site. We have a monitoring system which is certified by the authorities (AQS). Both waste-air and wastewater flows are monitored on a continuous basis. Regular benchmark comparisons carried out across Germany confirm the effectiveness of our organisation. We remain determined to optimise all facilities in order to protect the environment and to maintain our high standards.



Quality and safety

Our quality management system has been certified since 1996, and has been continuously developed and improved. Our aim remains to implement effective processes that will allow us to meet the requirements of our customers in the most efficient manner.

The safety of our people, facilities and protection of the environment are of the highest priority. Our motto, "Our work is never so urgent or so important that we cannot take the time to do it safely", is synonymous with our success. Over many years we have been able to achieve and maintain accident rates among the lowest in the industry.





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