

Delignit®
NATURALLY SUPERIOR

Industrial Floors – Solid Base for Production Operations





Our Raw Material is Beech

Delignit®
NATURALLY SUPERIOR

Delignit® originates from beech laminated plywood and is built up in layers.

Delignit® is the ecological construction material for standard and customized system solutions.

We offer Delignit® – enhanced, surface treated ready-made, assembled and just-in-time.

We develop and produce Delignit®.

The traditional wood construction industry, the aircraft industry, even the Formula 1 – they all rely on **Delignit®**. And for a good reason: we process native beech trees. Beech provides an excellent combination of hardness, strength and durability. With regards to these characteristics, beech surpasses birch by one third. As well, the favourable ratio between weight and tensile strength is not exceeded by any other wood material. Our quality management system is certified according to the current DIN EN ISO 9001:2008 and ISO TS 16949:2009 standards (thus meeting the highest quality demands in the German automotive industry).

Special properties of beech

- Harvest age: 120–140 years
- Raw Density: approx. 0,69 g/cm³
- Beech is one of the toughest and strongest types of wood and weighs only 1/10th that of structural steel with the same dimension and is 1/3rd as strong.

Industrial Flooring – at a glance!

Floor coverings in industrial and commercial environments have to meet highly specific requirements.

Delignit® Industrial Floors made of beech successfully combine the qualities of good appearance and comfort, all while providing exceptional wear resistance. Available in three different finishes, **Delignit®** Industrial Floors are highly appreciated for their exceptional qualities – not only in the automotive industry

For example, **Delignit®** Industrial Floor Panels Professional neatly hide the induction cables in Volkswagen's "Gläserne Manufaktur" ("Transparent Factory") in Dresden, which enables the wireless operation of electrical equipment. These cables have been embedded into the panel (certified as B-s1, d0 according to EN 13501-1) and covered with maple parquet.



Perfectly suited for professional applications

The Professional Package

Highest fire protection (also used for escape routes), maximum dissipative capability and wear-resistant surfaces: The Professional Package leaves nothing to be desired. We machine the holes for fasteners and assist you with the statics and the layout planning.

The Basic Package

Our Basic Package is specially adapted to your specific requirements. Regardless of whether you use **Delignit®** as platform flooring or as skilnet decking in final assembly lines – the Basic Package offers you an efficient and flexible solution for all applications.

The Eco Package

Due to the Brinell hardness of beech, **Delignit®** Industrial Flooring is highly superior to other wood materials: Coated with film or lacquer, it provides a cost-efficient solution. Upon request, we can offer fire resistant flooring classified as Bfl-s1 according to EN 13501-1.

We have the right surface coating for all kinds of applications. UV lacquered surfaces, film coatings and HPL or highly wear-resistant EBC surfaces are available in different patterns: veneer, wood pattern, colour and more. Additional fittings like handles, flaps, latches or observation windows can easily be incorporated. If required, we can also offer dissipative industrial floor panels with fire resistant properties according to highest European requirements for supporting construction materials.

We will be pleased to show you how you can equip your **Delignit®** Industrial Floor Panels with observation windows for optical control or with intelligent fastener technology. Our competent staff will find the best solution and put it into action for you.

Delignit® Industrial Floor Panels											
Standard types				Fire protection		Electrostatic dissipative capability		Colour	Machining	Layout planning	Statics
Delignit® Industrial Floor Panel	Thickness mm	Dimensions mm	Surface	acc. to EN 13501-1 Standard	Optional	acc. to EN 61340-4-1 Standard	Optional			layout suggestion	Recommendation of suitability
Professional	20	2500x1300	Delignit® EBC/ESD lacquer		-		-	acc. to Delignit® colour card	Chamfer and 8 holes for fasteners free of charge, further machining at extra cost	included	included
	25	2500x1300									
	30	2500x1300									
	20	2500x1500	Delignit® patent registered transparent coating DIF		-		-	acc. to Delignit® colour card	Chamfer and 8 holes for fasteners free of charge, further machining at extra cost	included	included
Basic	20	2500x1300	Delignit® EBC lacquer					acc. to Delignit® colour card	at extra cost	at extra cost	at extra cost
	25	2500x1300									
	30	2500x1300									
Eco	20	2500x1500	Delignit® film coating					acc. to Delignit® colour card	at extra cost	at extra cost	at extra cost
	25	2500x1500									
	30	2500x1500									
	20	2500x1000	Delignit® lacquer					acc. to Delignit® colour card	at extra cost	at extra cost	at extra cost
	25	2500x1000									
	30	2500x1000									



D-s1, d0 acc. to EN 13501-1



B-s1 acc. to EN 13501-1



B-s1, d0 acc. to EN 13501-1



ASF= antistatic flooring acc. to DIN EN 61340-4-1, <2000 V charge



DIF= dissipative industrial flooring acc. to DIN EN 61340-4-1, 1x10⁴-1x10⁹ only for floor/person combination



ESD= electrostatic discharge acc. to DIN EN 61340-5-1, 7,5x10⁴-3,5x10⁹



The Professional Package has been applied to the curved platform system of the Golf V production line. It combines the patent registered dissipative properties (DIF) of the surface with the highest fire protection rating. The panels have a transparent coating to maintain the natural veneer pattern of beech plywood. In such cases, similar systems can only use opaque coatings or lacquers.



Delignit® Industrial Floors – Applications and Use

Delignit® Industrial Floor Panels have been used for 15 years in more than 300 projects relating to assembly plant technology. Whether used as skilnet decking, as slider table surfaces under conveyor belts or conveyor chains or as platform surfaces:

Delignit® always provides the best solution both with regard to technical and investment aspects.

Delignit® Industrial Floor Panels are being used in many areas of the automotive industry. The durable and easy-to-clean surfaces maintain their long-term value and thereby offer a secure investment even beyond several model changes. The outstanding fire protection properties of **Delignit®** Industrial Floors offer a high level of additional security. And in combination with the extremely wear-resistant surface, the high Brinell hardness of beech provides an effective surface protection.

As platform surface



As push platform surface



As slider table surface



Body construction



Paint shop



Assembly



Final inspection



High quality **Delignit®** Industrial Floor Surfaces – electrically conductive, if required – helps safeguard sensitive electronic components both during assembly and final inspection.

The All-Inclusive Delignit® Package



As manufacturer and supplier of wood products for rugged and long-life standard equipment for every aspect of vehicle manufacture, we will in the future continue to work together with our customers to develop innovative application solutions. Today, the design and development work is conducted based on technical possibilities resulting from contemporary data exchange standards.

Our work begins with the purchase of raw materials, includes the manufacture of mutually defined base material quality and ends when the final machining has been matched with the just-in-time supply of the customized equipment.



The quality management system is certified per DIN EN ISO 9001:2008 as well as ISO TS 16949:2009 (highest standard in the automotive industry). As a part of our quality management, we strive to monitor the excellence and quality of our products and to consistently improve them.

While applying our manufacturing know-how, all individual parameters can be combined freely and can be directly influenced. This means that our customers have the opportunity to receive solutions from one source.



Delignit®
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developed by

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