

Diffundin-Sperrgrund LH

Solvent-based pigmented primer for wooden parts in exterior, for subsequent covering coatings.



Product characteristics

Properties	<ul style="list-style-type: none">• Solvent-based• Aromatic compound-free• Very good isolating effect• Fast drying• Very good adhesion• High covering power (also in the area of edges)• Low tension• Diffusion capable
Areas of application	Exterior only
Suitable substrates in detail	<ul style="list-style-type: none">• For woods of limited or non stable dimensions• Non-ferrous metals• Synthetics• Renders/plasters

Material description

Binder	Alkyd resin
Ingredients	Additives Titanium dioxide Fillers
Density	Approx. 1.4 kg/l kg/l
Maximum particle size	Fine
Average consumption (short text)	approx. 100 ml/m ²
Average consumption	It is advisable to determine the exact consumption figure by producing a sample area.
Colour shade	White
Suitable tinting paints	Commercially available tinting concentrates. Please note that with tinted products the specified properties may change.
Gloss level	Matt
Storage	<ul style="list-style-type: none">• Cool and dry• Also possible below 0° C
Thinning	Synthetic resin thinner

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Substrates

Suitable substrates	All kinds of wood and timber derived products Plastics and non-ferrous metals
Substrate conditions	The substrate must be clean, dry, firm and sound. Follow the building regulations (in Germany VOB, Part C, DIN 18363, Section 3). In addition the guidelines for wood preservation in building construction (in Germany DIN 68800) apply.
Substrate conditions	Wooden components which are not or limitedly dimensionally stable, can be coated. A wood moisture of 18% must not be exceeded. The construction has to be protected against any penetration of humidity. In addition, the guidelines according to BFS Fact Sheet No. 18 apply. With coatings on metallic substrates (e.g. zinc, non-ferrous metals etc), corresponding substrate preparations have to be considered, such as degrease by washing with wetting agent. Corroding substrates must be isolated previously by means of appropriate priming coats. Diffundin Sperrgrund LH can be used as bonding agent. Afterwards Diffundin Holzfarbe+ can be applied onto e.g. down pipes made of zinc, gutters etc. In addition, the guidelines according to BFS Fact Sheet Nos. 5 + 6 apply. With coatings onto synthetic substrates, preliminary works have to be taken into consideration, such as degrease or sanding. Diffundin Sperrgrund LH can be used as bonding agent. Due to the large variety of synthetics, a test area on the concerning substrate is strongly recommended. In addition, the guidelines according to BFS Fact Sheet No. 22 apply.
Substrate preparations	Wooden components Sand/grind wood surfaces in fibre direction, clean thoroughly and remove seeping wood components such as resin and resin galls. Remove sharp edges. Follow BFS-Fact Sheets Nos. 18 and 20. Iron, steel Prepare iron and steel as to match standard purity degree SA 21/2 (abrasive blasting) or ST3 (mechanically) in compliance with DIN EN ISO 12944-4. Zinc, rigid PVC Preparation by ammonia-water solution containing a wetting agent, using a synthetic non-woven abrasive. In compliance with BFS Fact Sheets Nos. 5 and 22 also possible with Gescha MultiStar (universal concentrated detergent) using a non-woven abrasive or by sweep blasting. Aluminium Clean with nitro-cellulose thinner or phosphoric-acid solution using a synthetic non-woven abrasive, in compliance to BFS Fact Sheet No. 6. Copper Prepare with Gescha MultiStar (universal concentrated detergent) at a mixing ratio of 1:5 (with water), using a synthetic non-woven abrasive. Existing paint layers Existing paint layers have to be sanded/grinded and/or leached. Non-sound paint layers must be removed.

Application

Application method	Application by brush or roller
Coating system	Wooden structure of new, dry spruce, indirectly exposed to weathering (e.g. lower parts). Preparation of the substrate in compliance with BFS Fact Sheet No. 18. Untreated wood which is prone to blue-stain must previously be treated with Diffundin-Bläueschutz (blue-stain inhibiting primer). Priming coat with Diffundin-Holzfarbe+, intermediate and finishing coat with Diffundin-Holzfarbe+. With saline impregnations and in case of doubt, use Diffundin-Sperrgrund LH as priming coat. Wooden structure of new wood, prone to blue-stain. Preparation of the substrate in accordance with BFS Fact Sheet No. 18. Apply Diffundin-Bläueschutz to untreated wood. Priming coat with Diffundin-Sperrgrund LH (respect intermediate sanding and flash-off time); apply Diffundin-Holzfarbe+ as intermediate and finishing coat.

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Wooden structure of new wood, insensitive to blue-stain

Preparation of the substrate in accordance with BFS Fact Sheet No. 18. Priming coat with Diffundin-Sperrgrund LH (respect intermediate sanding and flash-off time); apply Diffundin-Holzfarbe+ as intermediate and finishing coat.

Wooden structure of matt, weathered paint layer.

Grind thoroughly: In case of houses prone to blue-stain, use Diffundin-Bläueschutz as impregnation of damaged areas which then have to be primed with Diffundin-Sperrgrund LH. Apply Diffundin-Holzfarbe+ as intermediate and finishing coat. BFS Fact Sheet No. 18 applies.

Wood structure of old wood (stripped, sanded or burned-off. Impregnation with Diffundin-Bläueschutz; priming coat with Diffundin-Sperrgrund LH (respect intermediate sanding and flash-off time); apply Diffundin-Holzfarbe+ as intermediate and finishing coat. BFS Fact Sheet No. 18 applies.

Application	Apply the material by brush or roller. Ensure a uniform application and the necessary material layer thickness. Extreme cases may require a second sealing coat. Intermediate sanding is necessary for following coatings.
Note	The material is flammable. Repeated contact may cause rough or cracked skin. Vapours may cause dizziness and drowsiness. Keep out of reach of children. Keep away from sources of ignition. Do not smoke. Do not inhale vapours /aerosols. Avoid contact with eyes and skin. Do not empty into drains, watercourses and into the soil. In case of insufficient ventilation wear respiratory protective devices. Use only in well ventilated areas. If swallowed, do not induce vomiting. Seek medical advice immediately and show container or label. Contains cobalt octoate, butanonoxim - may produce an allergic reaction. VbF does not apply.
Compatibility	Do not mix with other products.
Temperature limit	Between + 5° C and + 30° C for substrate and ambient air during processing and drying.
Drying time	At + 20° C for substrate and ambient air and 65% relative humidity (RH), dust-dry after approx. 2 - 3 hours. Recoat-able after approx. 4 - 5 hours. Lower temperature or a higher humidity extend the drying time.
Tool cleaning	Immediately after use with synthetic resin thinner or white spirit

Information

Product code	BSL30 (M-GP03)
Hazard statements and safety advice	Flammable liquid and vapour. Repeated exposure may cause skin dryness or cracking Keep out of reach of children. Do not breathe vapours/ spray. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Avoid release to the environment. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Contains:2-butanone oxime. May produce an allergic reaction.
Declaration of ingredients	Alkyd resin, titanium dioxide, siliceous fillers, calcium carbonate, aliphates, additives
Observe safety data sheets	Further details: See Safety Material Data Sheet (MSDS)
Category VOC	EU limit value for the VOC contents of this product: (Category A/g) 350 g/l (2010). This product contains max.
VOC content (in gram per litre)	340 g/L
WHC	2 (water-polluting)

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Waste disposal

Only completely emptied containers should be given for recycling. Dispose containers with residues of liquid product via waste collection point accepting old paints and enamels. Dispose dried hardened product residues as construction site/demolition/ municipal or domestic waste.

Container size

Content	EAN code	Article no.
2,5 L	4002822005313	749107

System specific and system completing products

Diffundin Holzfarbe

This data sheet cannot deal with all types of application arising in practice. Therefore, we cannot be held responsible for their content. These instructions do not release the purchaser / applicator from his responsibility of professionally examining the substrate and determining the suitability of the product in consideration of the project characteristics. In case of queries please request the technical assistance of ALLIGATOR FARBWERKE.