

Disbothan 221 Fugendicht

Resilient joint sealant for expansion joints in building constructions and for sealing glass.



Product Description

Field of Application	For sealing expansion joints in buildings. Sealing of glazing in wood, metal and plastic windows. For sealing joints in external wall claddings. For sealing connection joints at doors and windows.
Material Properties	<ul style="list-style-type: none"> ■ Resilient. ■ Compatible with dispersion paint and alkyd & acrylic resin enamel coatings. ■ Meets the requirements of DIN 18 540-F (sealing of external wall joints in building constructions) and DIN 18 545 part 2, E (sealing of glazing). ■ Resistant against diluted alkalis, salt solutions and aqueous cleaning agents. ■ Short-term resistance to mineral oils, fuels, and animal or vegetable fats and oils.
Material Base / Vehicle	Polyurethane-silicone combination.
Packaging/Package Size	310 ml plastic cartridges (12 units/carton).
Colours	Off-white, grey, dark brown.
	Discolourants may occur with different environmental factors (e.g., liquid or gaseous chemicals, UV-rays, high temperatures). The mechanical and technical functioning and the protecting qualities are not thereby influenced.
Storage	Cool and frost-free. Original, tightly closed packaging has a shelf life of max. 9 months. Maximum storage temperature: 25 °C.
Technical Data	<ul style="list-style-type: none"> ■ Density: Approx. 1.30 g/cm³ ■ Maximum allowable deformation: max. 25%, depending on the joint width ■ Dry temperature resistance: -40 °C up to 100 °C ■ Shrinking: Approx. 10 % ■ Joint width: max. 30 mm

Application

Suitable Substrates	Aluminium, concrete, stainless steel, vitreous enamel, fibrated concrete (fibre cement), Glasal™, glass, wood, ceramics, clinkers, sand-lime brick, natural stones, non-ferrous metals, AAC (autoclaved aerated concrete), polystyrene (EPS) foam, porcelain, render/ plaster, rigid PVC, earthenware, stoneware (vitrified clay), galvanized steel and brick masonry.
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Substrate Preparation	Adhesion area must be clean, dry, sound and free from all separating material that may prevent good adhesion. Remove existing sealant completely and, if necessary, abrade or mill off the joint sides to delete all penetrated residues of sealants. Prime absorbent joint sides with Disbothan 222 Fugenprimer. The joint depth has to be limited with a non-absorbent, nonporous foam cord. The ratio of joint width to sealant depth should be according to DIN 18 540. Follow the recommendations given in DIN 18 545 for sealing of glazing.
Preparation of Material	The material is ready for use.
Method of Application	Apply the sealant steady going into the joint. The sealant should have no contact with the joint base. Smoothen the surface with a moistened tool before skin formation.
Consumption	Joint size 10 x 10 mm: approx. 100 ml/m. Disbothan 222 Fugenprimer approx. 20 ml/m. The exact rate of consumption is best established by a trial application on site.
Application Conditions	Material, atmospheric and substrate temperature must remain at a min. of 5 °C and max. 40 °C.
Drying/Drying Time	At 20 °C and 60% relative humidity approx. 1.5 mm / 24 hours. Flash-off time for Disbothan 222 Fugenprimer: 20 - 30 minutes.
<p>Advice: Dried joint sealant is compatible with dispersion paint coatings (after surface cleaning with a dry cotton rag) and with alkyd or acrylic resin enamels, without any preliminary treatment. As a basic principle over coating of expansion joints should be avoided.</p>	
Tool Cleaning	Immediately after use with thinner Disboxid 419.

Advice

German Certificates	<ul style="list-style-type: none"> ■ 6-1003 Testing to DIN 18540-F National Material Testing Laboratory, Darmstadt ■ 6-1004 Testing to DIN 18545, T 2 E National Material Testing Laboratory, Darmstadt
Please Note (Status as at Date of Publication)	Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water. Use only in well-ventilated areas. Do not empty into drains, water courses or onto the ground. Material Safety Data Sheets available on request for professional users.
Disposal	Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Particular attention should be made to removing wastage from site in compliance with standard construction site procedures. In Germany: Only completely emptied packaging should be given for recycling. Dispose of liquid material residues as sealant waste.
Further Details	See Material Safety Data Sheets. Follow the application references while applying our materials.
Technical Assistance	As it is impossible to list herein the wide variety of substrates and their specific problems, please request our technical assistance in case of queries. We will describe appropriate working methods, if a substrate not specified above is to be coated.
Customer Service Centre	<p>Tel.: (+49) 0 61 54 / 71 17 10 Fax: (+49) 0 61 54 / 71 17 11 e-mail: kundenservicecenter@caparol.de</p> <p>International Distribution: Please see www.caparol.com</p>

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All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/ applicator from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. Our general conditions of sale and delivery in their latest edition apply. This document is a translation of our German Technical Information No. 221 · Disbothan 221 Fugendicht · Issued: September 2010

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