## Disbomulti<sup>®</sup> 209 Fliesen- und Vielzweckklebstoff



Ready for use, dispersion based adhesive for bonding ceramic tiles, slabs, insulating materials and for pasting tiles onto tiles, also useable as a bonding bridge on smooth surfaces.

	Product Description		
Field of Application	Suitable for laying tiles on wall surfaces in dry areas. Also excellently applicable on floors by adding Portland Cement CEM I (PZ 35), in wet areas (showers and bathrooms), in exterior areas and for bonding tiles onto tiles. Do not use in underwater areas. Suitable for bonding insulating materials and paper linings and for generating an adhesion promoting layer (bonding bridge) on smooth surfaces. Used for repairing defects in renders/ plasters.		
Material Properties	<ul> <li>Suitable for bonding ceramic covering materials to EN 159, EN 176, DIN 18 158 and DIN 18 166.</li> <li>Meets the requirements of DIN 18 156-D.</li> <li>Becomes frost and water resistant by adding Portland Cement CEM I (PZ 35), and suitable for bonding tiles onto tiles.</li> <li>Stable and highly flexible (resilient).</li> </ul>		
Material Base / Vehicle	Styrene acrylate dispersion		
Packaging/Package Size	5 kg, 10 kg, 20 kg plastic bucket		
Storage	Keep in a cool, dry, and frost-free place. Shelf life of the original, tightly closed packaging: min. 1 year.		
Technical Data	Density: approx. 1.6 g/cm <sup>3</sup>		
	Application		
Suitable Substrates	<b>Laying ceramic tiles:</b> Substrates as indicated in DIN 18 157 parts 2 and 4, such as renders/plasters to DIN 18 550 in the mortar groups P II, P III, P IVa,P IVb, P V, masonry, concrete (older than 28 days where Disbomulti <sup>®</sup> 209 is to be applied without additives), gypsum wall-boards, gypsum plasterboards, AAC (autoclaved aerated concrete), existing ceramic tile covered surfaces, wood chip-boards (walls), rigid foam plastic composite panels, heated cement-based screeds, cement-based screeds and mastic-asphalt (indoors). According to DIN 18 202 the surfaces must be sufficiently even, sound, free from continuous cracks and free from all separating materials that may prevent good adhesion of the bonding material, e.g. form release agents, loose components, binder concentrations, efflorescence and soiling.		
	<b>Bonding insulating materials:</b> All absorbent, mineral substrates being sound/solid and free from all materials that will affect the bonding qualities of the material.		
Substrate Preparation	<b>Laying ceramic tiles:</b> Prime absorbent, mineral surfaces with CapaSol LF Konzentrat. Prime moisturesensitive surfaces (particle boards and gypsum building materials) with Caparol Tiefgrund TB or - in moist areas - with a liquid surface sealant.		



Preparation of Material	Laying ceramic tiles: Ready for use on dry wall areas. For other applications, e.g. heated cement-based screeds (indoors), damp locations, existing tile- covered surfaces, balconies, terraces, base areas of buildings, etc. prepare am mixture of Disbon 209 and Portland-Cement CEM I (PZ 35) consisting of: Disbomulti <sup>®</sup> 209, 100 % by weight Portlandzement CEM I (PZ 35), 20 % by weight Mix thoroughly with an electrical paddle/agitator and adjust to working consistency by adding smar quantities of tap water or cement, if necessary.			
	<b>Bonding insulating materials:</b> Ready made for bonding in the interiors. Add 20 % Portland Cement CEM I (PZ 35) for bonding on non-absorbent or slightly absorbent substrates in the interiors.			
	Repair material: Prepair the Repair material consisting of: Disbomulti® 209 40 % parts by weight (= 5 parts by volume) Portland Cement CEM I (PZ 35) 10 % parts by weight (= 1 part by volume) Sand 50 % parts by weight (= 5 parts by volume) Mix thoroughly with an electrical paddle/agitator and adjust to working consistency by adding small quantities of tap water or cement, if necessary.			
	Bonding paper linings: Add a maximum of 5% by weight of tap water for roller/brush application.			
Method of Application	Adhesion promoting co Add 20% to 30% by weig	pat (bonding bridge): ht of tap water.		
	Laying ceramic tiles: Apply a first layer of material to the well prepared surface with the "Floating" technique using the flat side of a notched scraper/trowel to spread evenly. Then apply material wet on wet onto this contact coat (blade angle of notched scraper: approx. 45° to 60°) and draw with the notched side of the tool across the surface. Depending on sizes and reverse side profiles of the tiles to be applied, use only notched scrapers meeting the requirements of DIN 18 157 part 2, table 1. Apply the ceramic tiles sliding and pressing into the freshly applied adhesive layer. Do not apply more			
	adhesive than may be covered by tiles within 30 minutes (at 20 °C and 60% relative humidity). Use the combined "floating-buttering method" when applying on terraces or balconies, as indicated in DIN 18 157 part 1, 7.33. In doing so, the back of ceramic tiles is additionally coated with adhesive.			
	Recommended notched scraper/trowel (with squarish notch profile) depending on lateral length of ceramic tile coverage: Up to 50 mm 3 mm notch 50 to 108 mm 4 mm notch 108 to 200 mm 6 mm notch above 200 mm 8 mm notch above 300 mm special size			
	Bonding insulating mat Apply the adhesive in spo	<b>terials:</b> ot, strip, or full coverage fo	rm. Roughen the bonding surfaces of extruded or	
	Bonding paper linings:			
	Apply adhesive with a no	tched scraper, roller or bru	sh and immediately hang the paper lining.	
Consumption	Laying tiles	1 – 3.5 kg/m <sup>2</sup> depending on notched trowel profile		
	Bonding insulating material	1–3 kg/m <sup>2</sup>		
	Paper lining	1–2 kg/m <sup>2</sup>		
	Adhesion promoting coat (bonding bridge)	0.5–0.8 kg/m <sup>2</sup>		
Application Conditions	Material, Atmospheric, and Substrate Temperature:			
Drying/Drying Time	At 20 °C and 60 % relative humidity, on absorbent after 2, on non-absorbent wall or floor surfaces after 3 days.			
Tool Cleaning	Immediately after use or during longer breaks. Clean with water or warm soapy water.			

	Advice		
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. Do not allow into drains, water courses or soils.		
	Safety data sheet is 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 given to removing wastage from site in compliance with standard construction site procedures. In Germany: Only completely emptied containers should be given for recycling. Dispose of liquid material residue as disposal of water-mixable adhesives, residues of dried material as disposal of hardened adhesives or via domestic waste. European Waste Code (EWC): 08 04 10		
Giscode	D 1		
Further Details	See Material Safety Data Sheet (MSDS). Follow the application references while applying our materials for the protection of buildings.		
Customer Service Centre	Tel.: +49 6154 71-71710 Fax: +49 6154 71-71711 e-mail: kundenservicecenter@caparol.de		
	International Distribution: Please see www.caparol.com		

## Technical Information No.209 · Issue: July 2017

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