PRODUCT DATA SHEET

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WINJOINT SEAL

DESCRIPTION OF THE PRODUCT

WINJOINT SEAL is a high-quality, one-component, polyurethane-based adhesive sealant, specifically designed for floor expansion joints.
The product is classified as **F 25HM** in accordance with **ISO 11600:2011**.
Its low VOC emissions make it an environmentally friendly product, formulated by WINKLER Research & Development Laboratories.

FIELDS OF USE

The product's excellent resistance to oils, fuels, and UV radiation makes it suitable for application in mechanical workshops, garages, and industrial floors, both indoors and outdoors, including areas subject to vehicular traffic, even heavy vehicles (cars, forklifts, etc.).
Use and application are quick and easy.
Its special formulation provides high flexibility, which remains stable even at low temperatures and over time. The product adheres to all common construction substrates and can be easily overpainted.

SURFACE PREPARATION

Surfaces to be treated must be sound, clean and dry. **WINJOINT SEAL** must adhere only to the two vertical walls of the joint and not to the bottom, as three-sided adhesion may cause sealant failure when tensile or expansion movements occur.
For joints with a width from 9 mm to 3 cm, it is necessary to insert **WINJOINT FOAM** (polyethylene backer rod) as the third joint wall. The diameter of the backer rod must be at least 25% larger than the width of the joint.

RECOMMENDATIONS

Do not add any additives.
Do not use the product if the packaging is damaged.
Do not add water or solvents.

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WARNINGS

Apply **WINJOINT SEAL** only under environmental conditions that allow complete curing in the shortest time possible. Do not apply the product on frozen surfaces, surfaces exposed to nighttime frost, or when rain is forecast.
Application temperatures must be between +1°c and +35°C.

Avoid contact with bitumen, tar, neoprene, EPDM, butyl rubber, or other materials that may release plasticizers, as this may cause discoloration and loss of adhesion.
The product does not adhere to PE, PTFE, or PP.

WINJOINT SEAL offers excellent resistance to UV radiation, prolonged exposure does not compromise mechanical strength or waterproofing. Over time, slight colour variations may occur.
Certain chemical agents may cause dimensional changes in the product.
Do not apply in the presence of alcohols, solvents, or uncured sealants.

APPLICATION

After carefully preparing the joint as described in SURFACE PREPARATION, extrude the sealant using a suitable professional caulking gun.
To prevent contaminating of the joint edges, it is recommended to mask the joint with paper tape.
For a cleaner, more aesthetically pleasing finish, smooth the surface using a solution of water and soap.

EXAMPLES OF CONSUMPTION FOR 12 m OF JOINT

JOINT WIDTH (mm)	JOINT DEPTH (mm)	NUMBER OF 600 ml BAGS
5	10	1
10	10	2
15	10	3
20	10	4
25	12.5	6
30	15	9

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PACKAGING
600 ml bags – 12 pieces per box

TOOL CLEANING
Clean the tools with denatured alcohol before the product hardens; remove mechanically once hardened.

STORAGE
The product in its original and undamaged packaging, can be stored for up to 12 months. Store at temperatures between +5°C and 35 °C. The product is not frost-resistant.

SAFETY INSTRUCTIONS

PRECAUTIONS
For safety information, the user must refer to the latest Safety Data Sheet (SDS), prepared in accordance with applicable regulations. The SDS contains detailed information on the physical, toxicological, and safety characteristics of the product.

DISPOSAL AND ENVIRONMENTAL PRECAUTIONS
Do not release the product or empty containers into the environment. For detailed disposal instructions, refer to the most recent Safety Data Sheet (SDS).

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TECHNICAL FEATURES
(average value)

FEATURES	STANDARD	RESULTS
Chemical nature		Polyurethane
Consistency		Thixotropic paste
Colour		Grey
Cross-linking		Moisture-reactive
Curing rate at +20°C		4 mm/ 24 h
Shore A hardness		42 ± 3

FEATURES	STANDARD	RESULTS
Density at +20°C		1.30 ± 0.05 g/cm^3
Shrinkage		Max. 4%
Service temperature range		-30°C to +90°C
Elastic recovery		>85%
Maximum joint movement		25%
Elastic modulus E at 100%	DIN 53504	>0.8 N/mm^2
Tensile strength	DIN 53504	>1.5 N/mm^2
Elongation at break		>400%

The product complies with the requirements of Directive 2003/53/EC.

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