KEMABAND FLEX 15

Flexible sealling ribbon for construction, working and moving joints and cracks

- Resistant to alkaline substances, acids and salts
- UV resistant
- Easy to install
- Suitable for dry and moist mineral surfaces
- Elastic

PRODUCT DESCRIPTION	**Homogeneous, thermoplastic, elastomeric and high performance waterproof ribbon of 150 mm width. Installed ribbon allows uneven and large movements in several directions and provides waterproof protection.**
FIELD OF USE	For sealing contacts and dilatation joints in outdoor areas, such as tunnles and canals, hydroelectric power statons, cellars, water reservoirs and drinking water tanks, sewage treatment plants, etc...
PRODUCT PROPERTIES	• Resistant to alkaline substances, acids and salts • UV resistant • Easy to install • Suitable for dry and moist mineral surfaces • Elastic

PRODUCT DATA			
BASIC INFORMATION	**Appearance**	Grey ribbon	
	Packing	20-metre roll	
	Storage and expiration date	12 months from date of production if stored properly in undamaged original sealed packaging in dry, cool conditions and protected against sunlight.	
TECHNICAL DATA	**Total width**	150 mm	
	Material weight	Approx.: 930 g/m^2	
	Shore A hardness	87	
	Resistance to temperature: min./ max.	-30°C/ +90°C	
	Total thickness	Approx.: 1 mm	
	Breaking load longitudinal	241,4 N/ 15 mm; 14,0 N/mm^2	DIN EN 527-3
	Breaking load lateral	221,8 N/ 15 mm; 14,0 N/mm^2	DIN EN 527-3
	Extension break longitudinal	950,0 %	DIN EN 527-3
	Extension break lateral	950,0 %	DIN EN 527-3
	Power absorption at 25 % Elasticity lateral	42,7 N/mm	DIN EN 527-3
	Power absorption at 50 % Elasticity lateral	49,2 N/mm	DIN EN 527-3
	Peel test on neutral wood carrier	> 100 N (in dependence of the used adhesive)	Internal method
	UV - resistance : min.	6500 h	DIN EN ISO 4892-3
	Fire classification	B2	DIN EN 4102
	Resistance to tearing longitudinal / lateral	100 N / 100 N	DIN EN 12310-2
	Resistance to water pressure	> 4,0 bar	DIN EN 1928 (Version B)
	Bonding strenght	> 4,0 N/mm^2 (in dependence of the used adhesive)	DIN EN ISO 1348
	Maximum burst pressure	> 4,0 bar	Internal method

CHEMICAL RESISTANCE	METHOD / STANDARD	RESISTANCE AFTER STORAGE IN FOLLOWING CHEMICALS AFTER 28 DAYS ON ROOM TEMPERATURE + RESISTANT - NON RESISTANT
Hydrochloric acid 3%	Internal method	+
Sulphuric acid 35%	Internal method	+
Citric acid 100g/l	Internal method	+
Lactic acid 5 %	Internal method	+
Potassium hydroxide 3% / 20%	Internal method	+
Sodium hypochlorite 0,3g/l	Internal method	+
Salt water (20 g/l See water salt)	Internal method	+

Some additional test should be done regarding the actual aggressive chemical!

INSTRUCTIONS FOR USE

CONSUMPTION	/
BASE	Substrate should be clean, solid, sound, even and free of all oil, grease, wax, latex compounds, curing compounds, dust and all foreign matter.
BASE PREPARATION	Suitable method for cleaning of surface is with water under big pressure, grinding or sandblasting. Cracks, damages, segregation nests, and other irregularities on the surface must be previously repaired with HIDROSTOP KIT quick-setting putty. Active water intrusions are stopped with the HIDROZAT mortar. During bonding of sealing ribbon the substrate must be dry. Before installation it is necesarry to clean the ribbon with wet or dry cloth with water - DO NOT USE SOLVENTS!
INSTALLATION	Apply an epoxy adhesive KEMAPOX LF with a masonry spoon or a trowel on both sides of the joint or cracks. The thickness of the adhesive must be at least 1-2mm. The adhesive must be applied wider than the width of the tape itself. KEMABAND FLEX 15 should be placed in a fresh adhesive layer - press the ribbon heavily into the adhesive with a roller. Be careful to remove all air pockets. After drying the first - adhesive layer of the adhesive, apply a covering layer over the ribbon itself - ensure that there is no adhesive in the center of the ribbon (approx. 20-30 mm). The tape must be protected against mechanical damages.
	The ribbon is conected with hot air welding with all standard welders with a maximum of 2300 watts. It is important to chose a lower temperature, so that the tape only merges on the surface and the conection does not affect watertightness.
TOOL	KEMABAND FLEX 15 is installed with a roller and epoxy adhesive - KEMAPOX LF with a masonry spoon or a trowel.
CLEANING OF TOOL	Clean the tool immediately after use with cleaner for epoxy resins. Hardened material can be removed only mechanically.

LIMITATIONS

WARNINGS	• Higher temperatures reduce, while lower temperatures prolong times, stated in technical data sheet. • Protect freshly installed material from freezing, rain and other bad weather conditions. The material should not be used at (surface, air, material) temperatures lower than 5°C.
	Data source: All technical data in this technical sheet was obtained by laboratory research. Actual data may differ due to different working conditions.
	Local restrictions: Due to specific local regulations the installed product can differ from country to country. For exact instructions for use a country specific technical sheet should be obtained.

PROOFS

NORMS/STANDARDS In accordance with DIN EN ISO 9001:2008

LEGAL BASE

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