WATERPROOFING

EUCO FLEXIBLE TAPE

HIGH PERFORMANCE WATERPROOFING

EUCLID CHEMICAL

DESCRIPTION

EUCO FLEXIBLE TAPE is a flexible waterproofing tape. The system is resistant to weathering, UV radiation and many chemicals with excellent durability. Used in combination with Dural 617NS (depending on application – refer to the manufacturer for further information).

PRODUCT CHARACTERISTICS

FEATURES / BENEFITS

- Extremely durable with exceptional flexibility
- Ensures watertight joints using thermal welding
- High movement capacity
- Fixing of tape to structure by means of Dural 617NS Epoxy Adhesive

PRIMARY APPLICATIONS

- Construction joints, expansion (movement) joints and connection joints or cracks in potable and raw water retaining structures
- Joints with movement between concrete building components
- Work joints in concrete building components
- Cracks in concrete building components
- Repairs: sealing over leaking or failed joint sealants
- Joints with extreme movement
- Joints and cracks in basements, tunnels, culverts, reservoirs and concrete dams
- Suitable for high levels of movement in one or more direction
- Will retain a superior watertight seal in most applications, specifically water retaining structures and any other areas where water ingress must be limited

TECHNICAL INFORMATION

The following are typical values obtained under laboratory conditions. Expect reasonable variation under field conditions.

Physical Properties (approx.)	DIN	Value	Tolerance
Total width	Internal	150, 200, 250, 300mm	± 2mm
Total thickness	Internal	2.0mm	± 0.1mm
Material weight (approx.)	Internal	1830 g/m²	± 100 g/m²
Length per roll	Internal	20 Metres	-0.0m/+1%
Tensile resistance – lengthwise	DIN EN 12311-2 Method B	10 N/mm²	≥ 8N/mm²
Tear resistance – across	DIN EN 12311-2 Method B	10 N/mm²	≥ 8N/mm²
Elongation at break – lengthwise	DIN EN 12311-2 Method B	680%	≥ 500%
Elongation at break – across	DIN EN 12311-2 Method B	710%	≥ 500%
Tear resistance (nail shank) – lengthwise	DIN EN 12310-1	540N	≥ 400N
Tear resistance (nail shank) – across	DIN EN 12310-1	530N	≥ 400N
Water vapour permeability	DIN EN 1931 Method B	125m	≥ 80m
UV resistance, min	DIN EN ISO 4892-3	≥ 6500h	
Reaction to fire	DIN ISO 11925-2 EN 13501-1	Class E	

Chemical Properties		Resistance after storage over 7 days by room temperature in the following chemicals	+ = Resistant 0 = Weakened - = Non-resistant
Hydrochloric Acid	3%	Internal	+
Sulphuric Acid	35%	Internal	+
Citric Acid	100 g/l	Internal	+
Lactic Acid	5%	Internal	+
Potassium Hydroxide	3% / 20%	Internal	+ / +
Sodium Hypochlorite	0.3 g/l	Internal	+
Salt Water	20 g/l sea water salt	Internal	+

DIRECTIONS FOR USE

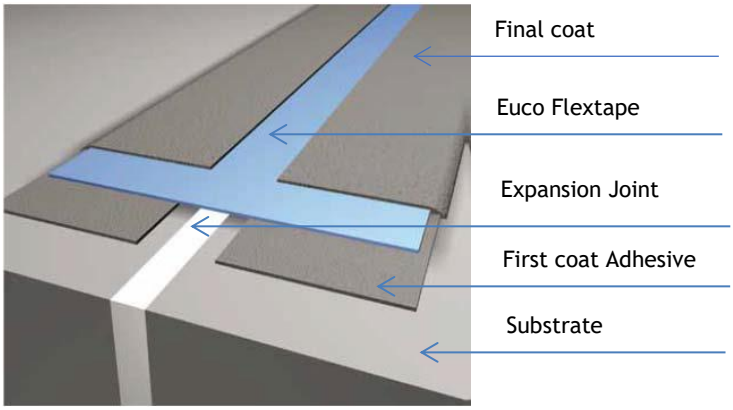
Surface Preparation:
All surfaces, prior to application, must be sound, clean and laitance-free with no evidence of oil, grease or any other contaminants. To achieve this, it is recommended that the surfaces be mechanically prepared, e.g. by blast cleaning or grinding, ensuring that the finished surface is free of any irregularities and level.

Application:
- Apply adhesive to both sides of the joint or crack with a steel trowel or notched comb. An appropriate expansion area in the centre of tape of sufficient width is recommended to be kept free of adhesive. Please consult our Technical Service Department for further assistance.
- Press the Euco Flexible Tape firmly into the adhesive, ensuring that any entrapped air is released. If excessive movement is anticipated, it is advisable to leave some slack in the tape in the flex zone.
- Apply another layer of adhesive over the edges of the Euco Flexible Tape. Ensure that adhesive is not applied in the expansion area of the tape. Float final coat by trowel.
- If overcoating is expected, broadcast the surface of the adhesive with clean dry quartz sand whilst still wet.
- Protect the finished Euco Flexible Tape against possible mechanical damage throughout application by appropriate means, such as sheet metal, rubber matting or polystyrene boards. Protect the Euco Flexible Tape against heat exceeding 90°C.

PACKAGING
Rolls of 20 m (all types)

Type	Thickness mm	Width mm	Application recommended for
200/2	2.0	200	Expansion joints
300/2	2.0	300	Expansion joints

1mm thickness available on request.



Storage: When stored in a dry place in unopened, undamaged original packaging, shelf life is 24 months (optimal storage conditions: 20°C / 50% RH). It is essential that goods are kept in a cool dry place and protected.

Lap Joint Welding: Hot air welding ensures the elasticity of all Euco Flexible Tape connections. Welding temperature: 320°C. The minimum overlap of the tape is 5cm. Before welding, roughen the contact area with sandpaper.

Health & Safety: Please refer to the safety data sheets.