UNIFIX TPE-CJ FELT

CONSTRUCTION JOINT FELT CARRIER WATERPROOFING TAPE



Product Features

UNIFIX TPE-CJ FELT is an elastic waterproofing tape with non-woven felt edges, made for non-moving construction joints and wall-to-floor junctions. Laid into the corner, it replaces the conventional angle fillet. The felt edges are embedded in the waterproofing coating, so the tape becomes part of one continuous waterproofing layer.

For non-moving joints it is a cost-saving alternative to **UNIFIX TPE-FELT**. It is bonded with the liquid or cementitious waterproofing coating itself, so no epoxy adhesive is needed.

Advantages

High Resistance To Positive Water & Vapor Pressure
Cost-Saving Alternative To TPE-FELT For Non-Moving Joints
Replaces The Angle Fillet At Wall / Floor Junctions
High Puncture And Fatigue Resistance
No Epoxy Adhesive Needed – Bonds With The Coating
High UV Resistance

Fields of Application

Construction Joints	Wall / Floor Junctions
Parapet Upturns	Swimming Pools
Non-Moving Cracks	Underground Structures
Exposed Roof Decks & Terraces	Water Reservoirs & Tanks
Wet Areas & Bathrooms	Lift Pits & Sumps

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UNIFIX TPE-CJ FELT

Physical Properties

Material	:	Non-woven felt & elastomeric resin core	
Colour	:	Grey	
Size & Packaging	:	UNIFIX TPE-CJ FELT 120 UNIFIX TPE-CJ FELT 150	: 120 mm wide (70 mm elastic centre) : 150 mm wide (100 mm elastic centre)
Roll Length	:	UNIFIX TPE-CJ FELT	: 50m / roll

Technical Properties

Property	Test Method	Values
Thickness, (mm)	DIN EN 1849 - 1	0.5 mm
Tensile Strength (Transverse)	EN-ISO 527-3	30 MPa
Tensile Strength (Longitudinal)	EN-ISO 527-3	76 MPa
Elongation at Maximum Load (Transverse)	EN-ISO 527-3	139 %
Elongation at Maximum Load (Longitudinal)	EN-ISO 527-3	22 %
Hardness	ISO 868	70 Shore A
Water Pressure Resistance	EN 1928	> 1.5 Bar
Cold Folding	SIA 280/3	No cracking at -30°C
Service Temperature	SIA V280/3+4	-30 / + 90°C
Chemical Resistance	Alkalis (cement-based products), ozone and UV rays; resistant to many chemicals	

Important Note / Special Note

- Bond with the waterproofing coating (liquid or cementitious). No epoxy adhesive is needed.
- Protect the surface against water and mechanical damage until fully cured.
- Curing time of the coating changes according to weather conditions.
- Do not apply during rain.
- Protect applied materials from rain, freezing, foot traffic, and continuous high humidity until completely dry.

Shelf Life & Storage

UNIFIX TPE-CJ FELT has a shelf life of **24 months** when stored unopened in its original packaging in a dry, cool place away from direct sunlight.

Health & Safety

UNIFIX TPE-CJ FELT is a solid tape and presents no health hazard in normal handling. Wear gloves when cutting and when working with the waterproofing coating it is embedded in, and follow the safety data sheet of that coating. Dispose of offcuts in accordance with local regulations.

This technical data sheet is given in good faith and does not guarantee the application work.
All Unity Reliance technical data sheets & method statements are updated on a regular basis and can be subject to change without notice.
It is the user's responsibility to obtain the latest version of the information required.

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Installation Procedures

1 Surface Preparation | 2 Application

Installation Procedures

Step 1
SURFACE PREPARATION

Clean the surface thoroughly of all contaminants such as dust, laitance, traces of curing compound, oil and grease. The substrate must be sound and free of standing water.

Remove all surface imperfections, protrusions and structurally unsound or friable concrete, and repair with a concrete repair mortar.

Fill cracks wider than **3 mm** with a suitable mastic before applying the tape. Prime the surface if required by the waterproofing coating used.

Step 2
APPLICATION

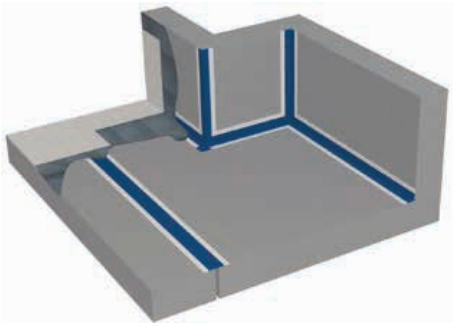
First coat: apply the waterproofing coating (liquid or cementitious) on both sides of the joint or corner, about the width of the felt edges, leaving the middle approximately **5 cm** uncoated.

Lay the tape: while the coating is still wet, lay **UNIFIX TPE-CJ FELT** centred over the joint or into the wall / floor corner (in place of an angle fillet). Press the felt edges fully into the coating with a brush or roller, working out air pockets and wrinkles. No epoxy adhesive is needed.

Keep the centre free: the middle elastic part must not stick to the substrate, so it can bridge the joint. At tape ends and junctions, overlap the tape and embed the overlap fully in the coating.

Second coat: after the first coat dries, apply a second coat over the felt edges so the felt is completely covered and sealed between the two layers, then continue the main waterproofing over the area so the tape becomes part of one continuous layer.

Protect the work from rain, foot traffic and mechanical damage until the coating is fully cured.



UNIFIX TPE-CJ FELT laid into the wall / floor corner, with the felt edges embedded in the waterproofing coating.

Note: The application temperature should be between 5°C and 55°C. Application procedures may vary slightly depending on site conditions; the steps above are general guidelines for the application of the waterproofing system.

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No.135B, Jalan Kip 8,
Kawasan Perindustrian Kepong
52200 Kuala Lumpur

(+60) 3-6734 7941
(+60) 10-785 1159

enquiry@unityreliance.com
https://www.unityreliance.com

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