

# MasterJoint™ 930

FPO Base Tape for Expansion and Construction Joints

## Material Description

**MasterJoint™ 930**, FPO based joint tape designed for watertightness of expansion and construction joints.

WRAS Approval - "Suitable for use in contact with Potable Water". BS 6920 : 2000

## Areas of Application

- Above and below ground applications
- Foundations and concrete walls
- Pools
- Treatment plants
- Tunnels
- Balconies and parapet joints
- Roofs and terraces
- Expansion joints together with sealant application
- Watertightness of dynamic cracks on the structures

## Characteristics and Benefits

- Easy to apply.
- User friendly, heat welding.
- Long lasting elasticity and service life.
- Keeps elasticity even in low temperatures.
- Resistant to tear, wear and abrasion.
- Resistant to bacteria and the deformation of chemicals attacks.
- Resistant to ozone and UV rays.

## Processing Method

### (A) Preparation of Substrate

Substrates must be sound and free of dust, dirt, laitance, paints, oils, grease, curing compounds, or any other contaminants. Irregularities on the substrate must be repaired with **MasterStrength™ ER 1406**. **MasterJoint™ CHR 170/171** polysulphide sealant application in the expansion joints is recommended prior to **MasterJoint™ 930** application.

Technical Properties	
Material	FPO
Color	Grey
Surface Structure	Smooth
Tear Strength DIN EN 12311-2 (Version B)	≥7 N/mm <sup>2</sup>
Elongation at Break (DIN EN 12311-2 (Version B)	≥%600
Watertightness DIN EN 1928-A- 60 kPa/24 Std. DIN EN 1928-B-400 kPa/72 Std.	Watertight
Shore A Hardness	85
UV Resistance DIN EN ISO 4892-3	>6500 h
Heat Welding	270°C (depend on weather)
Service Temperature (SIA V280/3+4)	-30°C +90°C
Reaction to Fire	Class E

The above values are given for +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures lengthen the time.

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## (B) Processing

**MasterStrength™ ER 1406** adhesive thoroughly, following the guidelines. Apply the well-mixed **MasterStrength™ ER 1406** on both sides along the joint or crack on the prepared substrate, preferably with a notched trowel or spatula. Layer thickness should be about 1-2 mm. When sealing cracks, or narrow joints the **MasterJoint™ 930** should not be fully bonded on the joint. Centre line of the tape must be kept clean for elongation, expansion and contraction.

## Point to Consider

- Center line of **MasterJoint™ 930** must be kept clean for elongation.
- It is recommended to apply sealant (**MasterJoint™ CHR 170/171**) in expansion joints prior to **MasterJoint™ 930** application.
- Liquid applied waterproofing coatings must be applied over **MasterStrength™ ER 1406** for proper watertightness.

## Cleaning of Tools

All the tools and equipments must be cleaned by solvent after the application. After **MasterJoint™ 930** is hardened, it can only be removed from the surface mechanically.

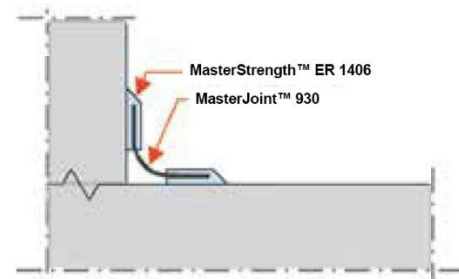
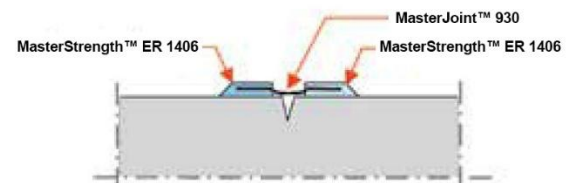
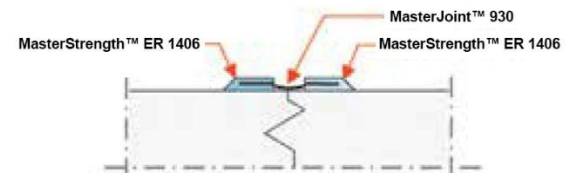
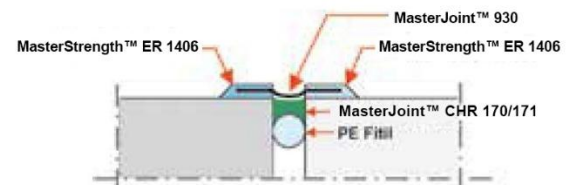
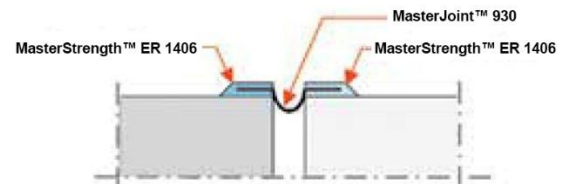
## Packaging

20 mt rolls

En (mm)	100	150	150	200	200	300	300	500	500
Kalınlık (mm)	1	1	2	1	2	1	2	1	2
Boy (m)	20	20	20	20	20	20	20	20	20

## Shelf Life

No shelf life limitation under appropriate storing conditions.



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## Storage

Store in a cool and dry warehouse away from direct sunlight.

## Health and Safety

Avoid contact to eyes and mouth during storing and application. Consult a physician urgently if such a contact occurs. Food and drink must be kept outside the application areas. Must be stored away from children. Please look at the Material Safety Data Sheet for detailed information.

## Disclaimer

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is only responsible for the quality of the product **MBT Teknik Yapı Kimyasalları Sanayi ve Ticaret A.Ş.** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones.

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