

MASTERFLEX 1500

Flexible butyl rubber tape with a non-woven backing

Description

MASTERFLEX 1500 is a cold adhesive tape composed of a layer of viscoelastic butyl and a non-woven backing. The non-woven material enables the product to distort in both transverse and longitudinal directions. An "easy peel" release paper protects the adhesive side.

Uses

- Repairing cracked concrete
- Sealing of damp proof rooms
- Sealing of elements in metal construction
- Sealing connections & overlaps
- Sealing of roof caps

Advantages

- Excellent elongation
- Accommodates long term movements
- A degree of memory
- Easy, fast and economical to use
- Permanently flexible
- Can be painted and plastered over
- Versatile – suitable on concrete, plaster, timber, plywood, fibre cement sheet, block work, most metal surfaces

Typical properties

Aspect	: Grey with white woven surface
Nature of rubber	: Butyl-polyisobutylene
Solids, by weight	: 100 %
Resistance to flow (only mastic) (ISO 7390)	: ≤ 3 mm, at 5°C ≤ 3 mm, at 70°C
Mass of fibres, per m ²	: 30 grams
Resistance to break (only fibres)	
Main direction	: 45 ± 10 N
Cross direction	: 30 ± 5 N
Right angle peeling on steel, MEL 052	: ≥ 4 N/cm
Shock behaviour at 30°C, D42 1313	: No unbonding
Hot run out, D45 5256	: No run out
Application temperature	: +5°C to +40°C
Service temperature	: -30°C to +80°C
UV Stable	: Yes

Specification Clause

The viscoelastic tape shall be MASTERFLEX 1500, butyl-polyisobutylene based with non woven backing. The product shall have average thickness of 0.9mm and shall have capability to distort in both the transverse and longitudinal directions with a degree of memory.

Directions for use

Surface preparation

Surfaces must be clean, dry and free of dust. Check that the mastic is compatible with the surface in terms of adhesiveness, staining and chemical compatibility (test a section first).

Brittle, porous or fragile surfaces must be pre-treated with CONGRESIVE 1020 and allow primer to fully-dry.

Start peeling the release paper and position the product. Start stripping the liner off gradually. Simultaneously press down firmly to avoid air bubbles.

To avoid any possible unbonding take care that the product takes the shape of the outline of the support when applying. Press the product down firmly once applied.

Ensure to maintain minimum of 50mm overlap at all joints.

When replacing bituminous tape, free the substrate surface of any bituminous traces and remove grease with a solvent.

The non-woven material can be painted. However, the low viscosity of the mastic can cause cracking of the coat of paint, as the mastic is more flexible. Plaster, adhesives or paints, which cover the non-woven material, must be compatible with its chemical properties.

Limitations

MASTERFLEX 1500 is solvent sensitive and shall not be used in combination with solvented coatings or shall be protected in direct contact with solvents. While using in conjunction with other sealants please seek advice from local BASF representative for compatibility.



The Chemical Company

Packaging

MASTERFLEX 1500 is supplied in rolls of 15m long x 80mm wide x 900 micron thickness.

Storage and Shelf life

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is 12 months when stored as above.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice please consult BASF's Technical Services Department.

Safety precautions

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs (which can also be tainted with vapour until product fully cured or dried). Treat splashes to eyes and skin immediately. If accidentally ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storage of consumable item. For further information refer to the material safety data sheet. MSDS available on demand or on BASF construction chemicals web site.

Note

All BASF Technical Data Sheets are updated on regular basis; it is the user's responsibility, to obtain the most recent issue.

Field services where provided, does not constitute supervisory responsibility, for additional information contact your local BASF representative.

Disclaimer

Whilst any information contained herein is true, accurate and represents our best knowledge and experience, no warranty is given or implied with any recommendations made by us, our representatives or distributors, as the conditions of use and the competence of any labour involved in the application are beyond our control.

PDS Ref .no. : Mfxx1500/01/0207

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