

Automotive

TMX

UNIQUE, SHRINKABLE  
INSULATION FOR  
MULTIPURPOSE USE

- Consists of two layers.
- Outside layer shrinks. Inside layer of adhesive melts.
- The adhesive seals the connection completely, making it strong and perfectly waterproof.
- Excellent corrosion, U.V., water, chemical and acid resistance.
- Can be applied directly to copper.
- Durable.
- THERMOFLUX moulds to any shape.
- Fast, simple and safe to use.
- Flame retardant and permanently flexible.
- Easy to apply.



NOTICE

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Novatio is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Novatio products provide, relates only to the standard conditions of sale of this product. In no case Novatio can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

GENERAL INFORMATION

THERMOFLUX is a flexible, heat shrinkable dual wall tubing with an integrally bonded meltable adhesive inner lining, designed to provide permanent moisture proof encapsulation to a wide variety of substrates and uses.  
THERMOFLUX has a unique inner wall which melts when heated and is forced into the crevices and interstices by the shrinking of the outer

wall. When cooled the entire mass becomes a flexible, tough homogeneous covering with a controlled wall thickness.  
THERMOFLUX is manufactured from radiation cross-linked polyolefins.  
THERMOFLUX shrinks to 1/3 of its supplied diameter and thus only a few sizes (8) are required to cover a full range of irregular shapes in a wide variety of applications.

TECHNICAL INFORMATION

Temperature resistance: -55 + 150°C.  
Shrink temperature: 125°C.  
Shrink ratio: 3/1.  
Tensile strenght ISO 37: 11.5 MPa.  
Ultimate elongation ISO 37: 490%.  
Flexibility: flexible.  
Dielectric strength IEC 243: 30 MV/m (VDE 0303 Pt2).  
Electrical resistance: 10<sup>13</sup> Ohm.  
Flame retardancy ASTM D 876, ASTM D 2671:

Inner wall: no.  
Outer wall: yes, retardant.  
Fluid resistance ISO 1817 and ISO 37  
Immersion 24h at 23°C:  
hydraulic fluid: excellent  
aviation fuel F 40: good  
lubricating oil O-149: good  
Diesel fuel F-54: good

APPLICATION AND USE

- can be used on all electrical applications (cables - cables splicing - connections), to insulate, to protect and to seal. Can be used in contact with chemicals. Is not resistant to earth alkalines. Protects metal tubing against corrosion and wear.
- insulation and protection of wires and components
- wire terminal protection
- reinforcement of wire splits
- prevention of electrolytic corrosion
- insulation and protection of automotive electrical parts
- protection of coaxial cable connectors
- synthetic, fuel and hydraulic oil resistant applications

Article nr	Name	Content	Section
N800320	Thermoflux 3,2mm	1pc.	ELECTRICAL CONNECTIONS
N800480	Thermoflux 4,8mm	1pc.	ELECTRICAL CONNECTIONS
N800640	Thermoflux 6,4mm	1pc.	ELECTRICAL CONNECTIONS
N800940	Thermoflux 9,4mm	1pc.	ELECTRICAL CONNECTIONS
N801270	Thermoflux 12,7mm	1pc.	ELECTRICAL CONNECTIONS
N801910	Thermoflux 19,1mm	1pc.	ELECTRICAL CONNECTIONS
N802540	Thermoflux 25,4mm	1pc.	ELECTRICAL CONNECTIONS
N804000	Thermoflux 40mm	1pc.	ELECTRICAL CONNECTIONS

