



ADHESIVE FOAM TAPES

tesa® Tapes for Sealing and Damping Applications

OUR FOAM TAPES

For Ensuring a Reliable Seal, Time and Time Again

tesa is a global leader in the manufacturing of adhesive solutions. With over 125 years of experience and a footprint in over 100 countries, tesa has a long standing history of delivering German engineered quality in each and every product. Our long history of success is based on more than just innovative ideas, quality and technological progress. Influential factors also include taking responsibility for people and the environment, with our goal to protect ecological resources and to practice social responsibility in order to have a positive influence on the society in which we live.

tesa® Adhesive Foam Tapes

tesa® Adhesive Foam Tapes are designed for a variety of sealing and damping applications, and are widely used across many industries.

Our foam tape can be used to seal out moisture, dust, draughts, fumes, light and insects, eliminate or reduce noise and vibration, provide impact resistance, cushioning and protection, or even dissipate stress on various assembled components.

Our comprehensive range has been designed to solve even the most challenging applications, with solutions that offer various features including high conformability, abrasion resistance, extreme environmental resistance and petrochemical resistance.

On top of this, our range includes options that are certified to meet many global and industry standards across flame retardancy, food and water compatibility.



tesa® FOAM TAPE

Solutions for Sealing and Damping Applications

Find out more on our range of adhesive backed foam tapes.



tesa® 749 Series PE Foam Tape

[Cost Effective Permanent Sealing Solution](#)

For a permanent fixed seal, where variations in compression will not take place such as opening and closing the seal. Constructed with a PE foam backing and an acrylic adhesive, tesa® 749 Series offers consistent quality.



tesa® 601 Series PVC Foam Tape

[Highly Conformable Foam for Rough & Uneven Surfaces](#)

When it comes to sealing uneven surfaces such as corrugations, a highly conformable foam is required to compensate and fill varying gaps. tesa® 601 Series soft PVC foam offers superior conformability for a reliable seal.



tesa® 5060 Series PVC/Nitrile Foam Tape

[Abrasion Resistant Foam for Long Term Durability](#)

Creating a seal in applications where rough or sharp contact will occur requires a durable solution. tesa® 5060 Series skinned PVC/Nitrile foam creates an abrasion and tear resistant barrier for long term performance.



tesa® 6110 Series EPDM Foam Tape

[High-Performance Foam for Extreme Environments](#)

Environmental conditions can be a real challenge for sealing applications. With resistance to high-temperatures, UV, ozone and weathering, tesa® 6110 Series foam is designed for even the most challenging environments.



tesa® 6111 Series Neoprene Foam Tape

[Petrochemical Resistant Foam](#)

Creating a reliable seal in applications where contact with oils and other petrochemicals will occur requires a resistant foam. tesa® 6111 Series foam offers reliable performance, even when exposed to petrochemicals.



Product Details

| Attribute | Value |
|-----------------------|----------------------------------------------------------------------|
| Backing Material | Irradiation cross-linked closed cell PE |
| Colours | Grey and white |
| Adhesive Type | Acrylic |
| Tape Thicknesses | 7492 - 3mm 7496 - 5mm 7493 - 6mm 7494 - 10mm 7495 - 12mm |
| Tape Widths Available | 6mm to 1220mm |



Technical Specifications

| Attribute | Value | Testing Standard/Information |
|--------------------------------|--------------------------------------------------------|------------------------------|
| Nominal Density | 33kg/M3 | DIN 53420 |
| Hardness Shore | | |
| Compression Strength | 7N/cm2 | DIN 53577 |
| Unyielding Deformation | 23% | DIN 53572 |
| Water Tightness | 100% | < 10% compression |
| Water Absorption after 2 hours | 0.7% (Vol) after 7 days 0.8% (Vol) after 28 days | DIN 53428 |
| Tensile Strength | 2.9N//25mm per mm thickness | DIN 53571 |
| Tear Resistance | 2.9N/mm | DIN 53575 |
| Elongation at Break | 175% | DIN 53571 |
| Thermal Conductivity | 0.25btu/in | Sq.ft(hr)Deg. F |
| Service Temperature | -80°C to 80°C | |
| Flame Retardancy | All thicknesses in 6mm and greater are flame retardant | FMVSS 302* |

tesa® 749 PE

Cost Effective Permanent Sealing Solution



Product Description

tesa® 749 Series foam tape consists of a closed cell polyethylene foam backing with an acrylic adhesive on one side. The foam is irradiation cross-linked to ensure consistent high-quality. The closed cell PE foam makes it suitable for sealing out dust and water, while the acrylic adhesive allows for easy application to various surface materials.

tesa® 749 Series PE foam tape is soft and conformable, and suitable for use on uneven surfaces. The foam tape is REACH, RoHS and FDA approved, non-toxic when burnt, non-carcinogenic and will not contaminate food or water.

Product Features

- Balance of cost-effective PE backing without compromising on quality
- Resistant to weathering, ageing and fungi
- High-tack acrylic adhesive offers a permanent bond
- Food and water compatible
- Resistant to oil, petrol, solvents and many chemicals

Applications

tesa® 749 Series foam tape is a cost effective solution for a variety of permanent sealing applications in the concreting and general industrial market.

- Dam wall sealing (concreting)
- Draught and water sealing
- Sealing concrete form work
- Sealing electrical enclosures
- Sealing between the canopy and tray in recreational vehicle

Certification

- Food and water compatible (FDA approval number CFR 178.3010)
- REACH & RoHS Compliant





Product Details

| Attribute | Value |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------|
| Backing Material | Soft PVC closed cell foam |
| Colours | Black and grey |
| Adhesive Type | Acrylic |
| Tape Thicknesses | 60103 - 3.2mm 60105 - 4.8mm (black only) 60106 - 6.4mm 60109 - 9.5mm 60112 - 12.7mm 60119 - 19mm (black only) |
| Tape Widths Available | 6mm to 1220mm |



Technical Specifications

| Attribute | Value | Testing Standard/Information |
|---------------------------------------------------|--------------------------------------------|------------------------------|
| Adhesive Power | 15N/25mm (black) 7N/25mm (grey) | |
| Nominal Density | 110kg/M3 (black) 130 kg/M3 (grey) | ASTM D - 1667 |
| Hardness Shore 00 | 21 (black) 25 (grey) | ASTM D - 1667 |
| Force to Compress 25% | 0.176kg/cm2 (black) 0.246 kg/cm2 (grey) | ASTM D - 1667 |
| Compression Set 30% (% loss from original height) | 4% (black), 5% (grey) | ASTM D - 1667 |
| Water Tightness | 100% at 50% compression | |
| 100% at 40% compression (grey) | 2.9N//25mm per mm thickness | DIN 53571 |
| Water Absorption (vol% - MTP) | 1.1% (black) 1.0% (grey) | |
| Tensile Strength | 1.75kg/cm2 (black) 2.10kg/cm2 (grey) | ASTM D - 412 |
| Elongation at Break | 150% | ASTM D - 412 |
| Thermal Conductivity (Sq.ft(hr) Deg. F) | 0.27btu/in | ASTM C - 518 |
| Temperature Resistance | -40°C to 80°C | Service Temperature |

tesa® 601 PVC

Highly Conformable PVC Foam for Rough & Uneven Surfaces



Product Description

tesa® 601 Series foam tape consists of a closed cell polyvinyl chloride (PVC) foam backing with an acrylic adhesive on one side. The closed cell foam can create a waterproof barrier when compressed, while the soft grade PVC foam is flexible and conformable to help seal uneven surfaces. Even after long periods of holding heavy weight, it will rapidly return to its original state.

The PVC foam tape is resistant to UV, ozone, oxidation and fungi. The black foam tape version is flame retardant to FMVSS 302, making it suitable for use in the automotive industry.

Product Features

- The highly conformable PVC backing is available in a range of thicknesses and allows for rough and uneven surfaces including corrugated sheeting to be effectively sealed
- Resistant to UV, ozone, oxidation and fungi
- Low compression set means that after long periods of compression the foam rebounds to its original state

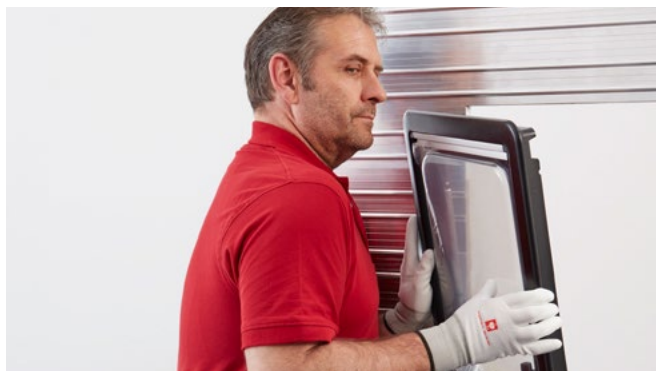
Applications

tesa® 601 Series foam tape is a highly effective sealing solution across many rough and uneven surfaces due to its highly conformable backing, and is widely used in applications including:

- Sealing panels on portable buildings and caravan panels
- Dam wall sealing (concreting)
- Draft and water sealing
- Vibration damping and sound reduction on aluminium boat hulls
- Vibration damping on automotive weather shields

Certification

- Flame Retardant to FMVSS 302 (black version only)
- REACH & RoHS Compliant





Product Details

| Attribute | Value |
|-----------------------|-----------------------------------------------------------|
| Backing Material | Closed cell PVC/Nitrile Foam |
| Colours | Black |
| Adhesive Type | Acrylic |
| Tape Thicknesses | 50601 - 3mm 50602 - 6mm 50603 - 9mm 50604 - 12mm |
| Tape Widths Available | 6mm to 1220mm |



Technical Specifications

| Attribute | Value | Testing Standard/Information |
|------------------------|----------------------------------------|------------------------------|
| Adhesive Power | 6N/25mm | |
| Foam Density | 91kg/M3 | |
| Elongation | 100% | |
| Tensile Strength | 73.5N/25mm | |
| Temperature Resistance | -10°C to 80°C | |
| Thermal Conductivity | 0.27btu/in | |
| Flammability | Flame retardant and self-extinguishing | ASTM D 1692-73 |
| Water Tightness | 100% at < 10% compression | |
| Water Absorption | 6% (by weight) | ASTM D1056-73 |

tesa® 5060 PVC/NITRILE

Abrasion Resistant Foam for Long Term Durability



Product Description

tesa® 5060 Series foam tape consists of a closed cell skinned PVC nitrile foam backing with an acrylic adhesive on one side. The 'skinned' foam creates an abrasion resistant layer, which is particularly suited where contact with sharp or rough surfaces will occur such as in enclosure doors.

The durable and robust foam is resistant to abrasion and tearing, along with weathering, making it suitable for applications both indoors and outdoors.

Product Features

- Resistant to abrasion and tearing
- Resistant to weathering
- Flame retardant
- Low compression set means that after long periods of compression the foam rebounds to its original state
- Electrically non-conductive - can be used as an electrolysis barrier
- Good thermal insulation properties

Applications

tesa® 5060 Series foam tape is a durable sealing solution, designed for applications where sharp or rough contact will occur, including:

- Sealing electrical enclosures and switch cabinets
- Sealing industrial access doors and hatches
- Sealing hatches on boats
- Sealing externally mounted air conditioning equipment

Certification

- Flame retardant to FMVSS 302, UL94-5VA, 5VB, HF-1, V0 and self-extinguishing
- REACH & RoHS Compliant





Product Details

| Attribute | Value |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------|
| Backing Material | Closed cell EPDM rubber |
| Colours | Black |
| Adhesive Type | Acrylic |
| Tape Thicknesses | 61101 – 1.6mm 61102 – 3.2mm 61103 – 4.8mm 61104 – 6.4mm 61105 – 9.5mm 61106 – 12.7mm 61107 – 19.0mm |
| Tape Widths Available | 6mm to 1331mm |



Technical Specifications

| Attribute | Value | Testing Standard/Information |
|------------------------|---------------------------|------------------------------|
| Adhesive Power | 30N/25mm | |
| Foam Density | 120kg/M3 Ave | ASTM D - 1667 |
| Force to Compress | 0.245kg/cm2 Ave | ASTM D - 1667 |
| Compression Set | 7% | ASTM D - 1667 |
| Hardness Shore 00 | 37 Ave | |
| Tensile Strength | 5.6kg/cm2 | |
| Elongation | 175% | |
| Temperature Resistance | -40°C to 105°C continuous | |
| 120°C intermittent | 6% (by weight) | ASTM D1056-73 |
| Thermal Conductivity | 0.30btu/in | |
| Flame Retardancy | Complies with FMVSS 302 | |
| Water Tightness | 100% at < 10% compression | |
| UV & Ozone Resistance | Excellent | |

tesa® 6110 EPDM

High-Performance Foam for Extreme Environments



Product Description

tesa® 6110 Series high-performance foam tape consists of a closed cell EPDM rubber backing with an acrylic adhesive on one side. The foam offers high temperature resistance (-40°C to 105°C) as well as excellent resistance to UV light, ozone and weathering, making it ideal for even the most challenging outdoor applications.

tesa® 61101 is FDA approved (non-toxic & non-carcinogenic) and will not contaminate drinking water. It complies with automotive industry standards, is compatible with plastics and is flame retardant to FMVSS 302.

Product Features

- Excellent resistant to UV, ozone and weathering
- High temperature resistance (-40°C to 105°C)
- Flame retardant
- Electrically non-conductive - can be used as an electrolysis barrier
- Compatible with silicones and plastics

Applications

tesa® 6110 Series foam tape is ideal for even the most challenging applications where exposure to harsh environmental conditions will occur, including:

- Sealing electrical enclosures and switch cabinets
- Sealing exterior and interior lighting
- Sealing industrial access doors and hatches
- Sealing domestic and commercial glazing systems
- Sealing externally mounted air conditioning equipment

Certification

- Flame retardant to FMVSS 302
- FDA approved to section 177.26 (non-poisonous, non-carcinogenic)
- REACH & RoHS Compliant





Product Details

| Attribute | Value |
|-----------------------|-----------------------------------------------------------------------------------------------|
| Backing Material | Closed cell neoprene rubber |
| Colours | Black |
| Adhesive Type | Rubber |
| Interliner Type | 6111 – 1.6mm 6112 – 3.2mm 6113 – 4.8mm 6114 – 6.4mm 6115 – 9.5mm 6116 – 12.7mm |
| Tape Widths Available | 6mm to 1033mm |



Technical Specifications

| Attribute | Value | Testing Standard/Information |
|------------------------|---------------------------|------------------------------|
| Adhesive Power | 30N/25mm | |
| Foam Density | 100kg/M3 Ave | |
| Force to Compress | 0.245kg/cm2 Ave | ASTM D - 1667 |
| Compression Set | 9% | ASTM D - 1667 |
| Hardness Shore 00 | 37 Ave | |
| Tensile Strength | 4.2kg/cm2 | |
| Elongation | 175% | |
| Temperature Resistance | -40°C to 70°C continuous | |
| Thermal Conductivity | 0.30btu/in | |
| Flame Retardancy | Complies with FMVSS 302 | |
| Water Tightness | 100% at < 10% compression | |
| Ozone Resistance | Good | |
| UV Resistance | Good | |

tesa® 6111 NEOPRENE

Petrochemical Resistant Foam



Product Description

tesa® 6111 Series foam tape consists of a closed cell neoprene rubber backing with a natural rubber adhesive on one side. The foam tape offers outstanding resistance to oils and other petrochemicals, while also flame retardant and resistant to weathering.

tesa® 6111 Series foam tape creates an electrolysis barrier between different metals, making it well suited for enclosure type applications, particularly where contact with oil and petrol will occur.

Product Features

- Excellent resistance to petrol and oil
- Resistant to weathering and suitable for outdoor use
- Flame retardant
- Electrically non-conductive - can be used as an electrolysis barrier
- Compatible with plastics
- Suitable for die-cutting due to its dimensional stability

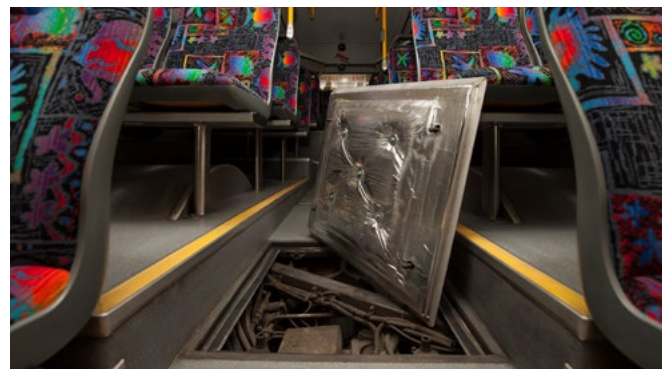
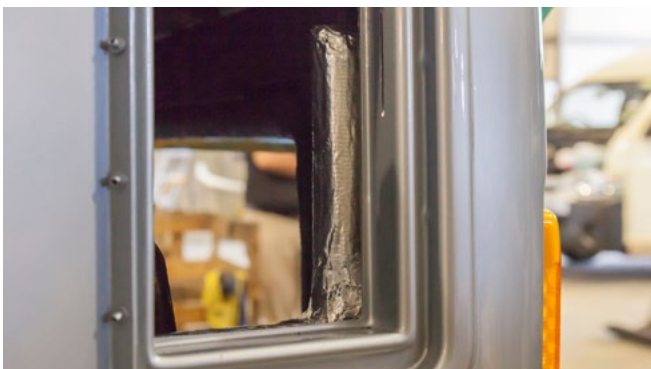
Applications

tesa® 6111 Series foam tape is well-suited for sealing in transport applications due to its excellent resistance to petrol and oil. The product is commonly used in sealing applications in trucks, buses, special-purpose vehicles, boats, yachts and caravans. Applications include:

- Sealing engine bays where contact with oil can occur
- Sealing access panel doors in machinery and transportation vehicles
- Sealing electrical enclosures and switch cabinets
- Sealing hatches on boats and yachts
- Sealing industrial access doors and hatches

Certification

- Flame retardant to FMVSS 302
- REACH & RoHS Compliant





Concreting Industry

tesa foam tapes are used to seal on-site form work and complex precast moulds. The tapes provide a water barrier to prevent moisture leakage and impart a clean edge to the concrete. Double-sided tesa foam tapes also provide a quick and accurate method of attaching accessories (for example ferrules and plastic fillets) to mould concrete faces.

Recommended Products

- tesa® 476 Series Urethane Foam (Open cell)
- tesa® 601 Series PVC Foam (Closed cell)



Glazing Industry

Both domestic and commercial window systems can be sealed with tesa foam glazing tapes. The wide range of thicknesses from 1.6mm to 19.0mm are suitable for sealing most glass and frame combinations. tesa foam tapes can also be die-cut and used as a convenient way to seal the corners of fabricated aluminium window frames.

Recommended Products

- tesa® 602 Series PVC Foam (Single-sided)
- tesa® 604 Series PVC Foam (Double-sided)

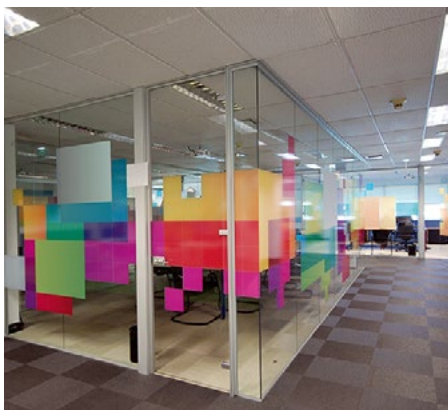


Cladding and Façade Industry

The range of tesa tapes used in cladding and façade applications include foam tapes for sealing behind various types of wall cladding, thick insulation tape for the prevention of electrolysis between dissimilar metals and foam tapes for noise reduction under roofing sheets.

Recommended Products

- tesa® 6110 Series EPDM Foam (Closed cell)



Interior Fitout Industry



tesa foam tapes are an ideal sealing solution across the interior fitout industry and are widely used for sealing from dust and water, along with noise damping in office, commercial and retail spaces.



Recommended Products



- tesa® 476 Series Urethane Foam (Open Cell)
- tesa® 749 Series PE Foam (Closed cell)
- tesa® 5060 Series PVC/Nitrile Foam (Closed cell)

BUILDING INDUSTRY

Our Adhesive Foam Tape Solutions

| tesa® 476 Series | Product description and application | Technical information | | Application Ideas |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|-------------------------------------------------------------------------------------|
|  | tesa® 476 Series Polyurethane Foam Tape Single-sided open cell foam tape with an acrylic adhesive on one side. The foam is ideal for sealing from dust and draft, adheres easily on many substrates and is conformable for use on rough or uneven surfaces. Widely used in the concreting industry due to its ability to seal on-site form work and complex precast moulds. Application Ideas: Dam wall sealing in concreting industry, sealing concrete form work and precast moulds, general dust and draft seal in interior fitout industry, noise damping in office partitions. | Backing | Polyurethane |  |
| | | Foam structure | Open cell | |
| | | Adhesive | Acrylic | |
| | | Colour | Grey, white | |
| | | Compression set | 10% | |
| | | Density | 31 KG/m3 | |
| | | Tensile strength | 29.4 N/cm | |
| | | Temperature resistance | -10°C to 80°C | |
| | | Available thicknesses | 3, 6, 9, 12 mm | |

| tesa® 602 Series | Product description and application | Technical information | | Application Ideas |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------|---------------------------------------------------------------------------------------|
|  | tesa® 602 Series PVC Foam Tape (Single-sided) Single-sided closed cell foam tape with an acrylic adhesive on one side. Widely used in the glazing industry due to its highly conformable structure, and ability to seal most window glass and frame combinations. Resistant to UV, ozone, oxidation and fungi making it well suited for outdoor applications. Silicone compatible and available in customised die cuts. Application Ideas: sealing between glass and aluminium in windows and the corners of aluminium window frames. | Backing | PVC |  |
| | | Foam structure | Closed cell | |
| | | Adhesive | Acrylic | |
| | | Colour | Grey | |
| | | Water tightness (100%) | 30% compression | |
| | | Density | 180 KG/m3 | |
| | | Outdoor resistance | UV, Ozone, Oxidation | |
| | | Temperature resistance | -35°C to 90°C | |
| | | Available thicknesses | 1.6, 3.2, 4.0, 6.4, 9.5, 12.7 mm | |

| tesa® 604 Series | Product description and application | Technical information | | Application Ideas |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------|---------------------------------------------------------------------------------------|
|  | tesa® 604 Series PVC Glazing Foam Tape (Double-sided) Double-sided closed cell foam tape with an acrylic adhesive on both sides for glazing applications. The high density foam has excellent resistance to water penetration, while still being flexible enough to seal uneven surfaces. Resistant to UV, ozone, oxidation and fungi making it well suited for outdoor applications. Available in customised die cuts. Application Ideas: Used as a primary seal between the glass and metal frame in commercial and domestic windows and window walls. | Backing | PVC |  |
| | | Foam structure | Closed cell | |
| | | Adhesive | Acrylic | |
| | | Colour | Black | |
| | | Water tightness (100%) | <10% compression | |
| | | Density | 254 KG/m3 | |
| | | Outdoor resistance | UV, Ozone, Oxidation | |
| | | Temperature resistance | -35°C to 90°C | |
| | | Available thicknesses | 1.6, 3.2, 4.8, 6.4 mm | |



Our management system is certified according to the standards ISO 9001, ISO/TS 16949, and ISO 14001.

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

For more information on our industry solutions,
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