

NEW! Limited smoke development thanks to Euroclass B_L-s2, d0



Kaiflex[®] ST_{s2}

Versatile application. Optimised safety in case of fire.

- Universal insulation material for busy public and commercial buildings
- Dependable safety: Euroclass B_L-s2, d0
- Meets the demanding international requirements for elastomeric insulation materials
- Reliably prevents condensation and reduces the risk of corrosion under the insulation
- Additional protection against micro-organisms and mould



Kaiflex® ST s2

Versatile application. Optimised safety in case of fire.

The requirements for structural fire protection, and in particular the increased focus on personal safety in case of fire, have been increasing internationally for years. More and more, limited smoke development has to correspond to an “s2” smoke development class in accordance with EN 13501-1 as the minimum requirement for flame-retardant building products. Kaimann meets these enhanced requirements and offers increased fire safety with its Kaiflex ST s2: The insulation material made of closed-cell rubber emits limited smoke to s2 standards and is self-extinguishing as well as non-dripping. These properties mean that the insulation material meets the demanding European requirements for combustible building materials such as MVV TB, VKF RF2, Class O (in accordance with UK Building Regulations) and Class 1 (tested in accordance with BS476-7) for surface spread of flame.

The universal insulation material for flexible use

Kaiflex ST s2 is attractive not only because of its reliable fire protection, but also with its universal applicability. Thanks to its wide product range and in combination with the system benefits of pipe supports and special adhesive, the insulation material can be used for any size of project without having to change materials or manufacturers. Kaiflex ST s2 thus presents itself as the Kaimann standard in technical insulation.

This means that the insulation material can be used for cold and hot pipes and on different pipe diameters – both in small boiler rooms and in large-scale projects. It reliably prevents condensation and corrosion from forming, particularly in systems featuring alternating temperatures, which are being installed increasingly frequently, and when correctly dimensioned, it simultaneously fulfils the legal requirements for hot water and heat distribution systems. It is used in cooling and air conditioning systems for insulating pipes in highly frequented public and commercial buildings, like airports, large office complexes, hotels, and apartment buildings, as well as in industrial

- Universal insulation material for busy public and commercial buildings
- Dependable safety: Euroclass B_L-s2, d0
- Meets the demanding international requirements for elastomeric insulation materials
- Reliably prevents condensation and reduces the risk of corrosion under the insulation
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plants and in shipbuilding. Thanks to its antimicrobial and fibre-free structure, Kaiflex ST s2 also meets high hygienic requirements and is especially suitable for insulation in healthcare facilities, such as hospitals.

Tested and certified – very good technical values

It is not just its versatility that makes Kaiflex ST s2 impressive, but also the very highest level of technical specifications: its very low thermal conductivity and the best water vapour diffusion resistance values makes Kaimann insulation material extremely energy-efficient and provides sustainable protection against energy loss. It effectively acts as a vapour barrier and reliably prevents condensation, greatly minimising the risk of corrosion underneath the insulation. This means Kaiflex ST s2 ensures reliable insulation performance over the entire operational life of the system.

Kaiflex ST s2 hoses are available as a standard product or self-adhesive in 2 and 1.2 m lengths. Whichever variant you choose, it is easy to work with.



NEW! Limited smoke development thanks to Euroclass B_{1-s2}, d0



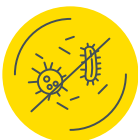
Reduced smoke development

In the event of a fire, visibility in rooms and corridors must be guaranteed for as long as possible. Through improved fire behaviour, Kaiflex increases personal protection and reduces contamination of building inventory.



Reliable prevention of condensation

Dew formation can lead to damage to insulation as well as technical equipment. Due to its closed-cell property, Kaiflex keeps pipes and ducts dry and prevents corrosion under the insulation (CUI).



In-built anti-microbial resistance

Mould growth can have a negative impact on indoor air quality. Kaiflex offers effective protection against moisture penetration, is naturally anti-microbial and resistant to the development of mould and eliminates any chance for bacteria.

Certified quality



EPD

Transparent ecological balance thanks to an "Environmental Product Declaration".



FM Approved

Highest required standard of quality, technical integrity and performance for use in commercial and industrial facilities.

Related system components and accessories from our product range



Kaiflex RT-ST

Insulated pipe support to prevent condensation and thermal bridges.



Special Adhesive, Tape, Joints,...

Accessories designed for the optimal and efficient application of Kaiflex products

Kaimann Services



KaiCalc

Insulation thickness calculator for technical insulation in heating and cooling applications.
www.kaicalc.com



On-site consulting

Benefit from personal advice from our dedicated and competent application engineers and field service staff.



Further information, technical documents, application guides, services and much more can be found online at

www.kaimann.com



Kaiflex ST s2
Technical Data

| | | | | |
|---|-------------------------|--|--|--|
| Material type base | | Elastomeric foam based on synthetic rubber, Flexible Elastomeric Foam (FEF) | | |
| Cell structure | | Closed cell | | |
| Colour | | Anthracite | | |
| Max. service temperature | Pipe | +110 °C | | |
| Min. service temperature | | -50 °C (-200 °C) | see remark (1) | |
| Thermal conductivity | Thickness <25 mm | λ_{θ} at -10 °C at 0 °C at +10 °C λ_{θ} at -10 °C at 0 °C at +10 °C | $0.033 + 7.1316 \cdot 10^{-5} \cdot \theta + 1.2533 \cdot 10^{-6} \cdot \theta^2$ $\leq 0.032 \text{ W/(m-K)}$ $\leq 0.033 \text{ W/(m-K)}$ $\leq 0.034 \text{ W/(m-K)}$ $0.036 + 7.1316 \cdot 10^{-5} \cdot \theta + 1.2533 \cdot 10^{-6} \cdot \theta^2$ $\leq 0.035 \text{ W/(m-K)}$ $\leq 0.036 \text{ W/(m-K)}$ $\leq 0.037 \text{ W/(m-K)}$ | Test acc. to DIN EN ISO 8497 Test acc. to DIN EN ISO 8497 |
| | Thickness ≥ 25 mm | | | |
| Water vapour permeability | Thickness <25 mm | Moisture resistance factor μ | ≥ 10000 no separate vapour barrier required | Test acc. to DIN EN 13469 Test acc. to DIN EN 13469 |
| | Thickness ≥ 25 mm | Moisture resistance factor μ | ≥ 7000 no separate vapour barrier required | Test acc. to DIN EN 13469 |
| Fire behaviour | Thickness ≤ 45 mm | Euroclass characteristics ⁽²⁾ | B _L -s2, d0 | |
| | Thickness >45 mm | Euroclass characteristics ⁽²⁾ | C _L -s2, d0 | Test acc. to DIN EN 13501-1 |
| | Tape | Euroclass characteristics ⁽²⁾ | B-s3, d0 (as part of a system incl. Kaiflex ST s2 tubes: up to B _L -s2, d0) | |
| | | Characteristics acc. to British Standard | Class O | In acc. with UK Building Regulations |
| | Surface spread of flame | Class 1 | Test acc. to BS 476-7 | |
| | Fire propagation | Total spread index: <12 Sub Index 1: <6 Self-extinguishing, no drips | Test acc. to BS 476-6 Test acc. to BS 476-6 | |
| Resistance to | Corrosion | Satisfies requirements | In acc. with DIN 1988 | |
| | Mould and bacteria | No growth | Test acc. to DIN EN ISO 846 Meth. A+C In acc. with VDI 6022 | |
| Insulation material index number acc. to AGI | | 36.12.02.05.04 | | |
| Environmental aspects | | No biocides added | | |
| Health aspects | | Fibre free: For high hygiene requirements Free from heavy metal (e.g. cadmium, lead) and formaldehyde | | |
| Other properties | ph-Value | 7 | | |
| Other certificates / approvals | | CE-compliant | | |
| | | FIW-audited (European Insulation Keymark Scheme for Thermal Insulation Products) UL-approved (UL94) FM-approved DNV, Lloyd's Register, See BG IAC Gold | 035-FIW-2-008.0-05 In acc. with UL94 V-0, HF 1 In acc. with ISO 16000, Part 3 & 6 | |

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Kaiflex ST s2
Technical Data

| | | | |
|--------------------------------|------------------------|---|------------------------------------|
| Storage | Self-adhesive products | The material must be installed within one year after delivery and proper storage. Store in a dry room at a typical relative humidity (between 50 % and 70 %) and room temperature (between 0 °C and +35 °C) | |
| Tolerances & limits | | Satisfies requirements | In acc. with EN 14304:2009+A1:2013 |
| Outdoor applications | | Needs protection against UV-radiation | see remark (3) |

- Remark (1) For temperatures below -50 °C please contact our Technical Support Team for advice.
- Remark (2) The Euroclass rating applies to metallic or solid mineral substrates.
- Remark (3) To protect against UV-induced deterioration Kaiflex must be either painted using Kaifinish Color paint or covered with a suitable UV resistant cladding system within 1 day of being installed outdoors.



Kaiflex ST s2
Tube



Colour: Anthracite · Length: 2 m

| Copper pipe Cu | | Iron & steel pipe Fe | | | 6 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 6.0 | 4 | | | | STs2-T-2m-06x006 | 4001188 | 600 |
| 8.0 | 6 | | | | STs2-T-2m-06x008 | 4001189 | 500 |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-2m-06x010 | 4001190 | 430 |
| 12.0 | 10 | | 12.5 | | STs2-T-2m-06x012 | 4001191 | 350 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-2m-06x015 | 4001192 | 300 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-2m-06x018 | 4001193 | 280 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-06x022 | 4001195 | 216 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-06x028 | 4001197 | 150 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-06x035 | 4001199 | 120 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 9 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 6.0 | 4 | | | | STs2-T-2m-09x006 | 4001200 | 360 |
| 8.0 | 6 | | | | STs2-T-2m-09x008 | 4001201 | 340 |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-2m-09x010 | 4001202 | 320 |
| 12.0 | 10 | | 12.5 | | STs2-T-2m-09x012 | 4001203 | 280 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-2m-09x015 | 4001204 | 240 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-2m-09x018 | 4001205 | 190 |
| | | | 20.0 | | STs2-T-2m-09x020 | 4001206 | 160 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-09x022 | 4001207 | 156 |
| 25.0 | 20 | | 25.0 | | STs2-T-2m-09x025 | 4001208 | 130 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-09x028 | 4001209 | 124 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-09x035 | 4001212 | 92 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-09x042 | 4001214 | 70 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-09x048 | 4001216 | 60 |
| 54.0 | 50 | | 54.0 | | STs2-T-2m-09x054 | 4001217 | 60 |
| | | 2 | 60.3 | 50 | STs2-T-2m-09x060 | 4001219 | 60 |
| 64.0 | | | 63.5 | | STs2-T-2m-09x064 | 4001220 | 54 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-09x076 | 4001222 | 54 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-09x089 | 4001224 | 36 |
| 108.0 | 100 | | 108.0 | | STs2-T-2m-09x108 | 4001226 | 28 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-2m-09x114 | 4001227 | 28 |
| | | | 125.0 | | STs2-T-2m-09x125 | 4001228 | 20 |
| 133.0 | 125 | | 133.0 | | STs2-T-2m-09x133 | 4001229 | 16 |
| | | 5 | 139.7 | 125 | STs2-T-2m-09x140 | 4001230 | 16 |
| 159.0 | 150 | | 160.0 | | STs2-T-2m-09x160 | 4001231 | 14 |

Kaiflex ST s2
Tube



Colour: Anthracite · Length: 2 m

| Copper pipe Cu | | Iron & steel pipe Fe | | | 13 mm Insulation thickness | | |
|-------------------|---------------------|-------------------------|----------|---------------------|-------------------------------|-----------|--------------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 6.0 | 4 | | | | STs2-T-2m-13x006 | 4001232 | 240 |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-2m-13x010 | 4001234 | 190 |
| 12.0 | 10 | | 12.5 | | STs2-T-2m-13x012 | 4001235 | 172 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-2m-13x015 | 4001236 | 154 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-2m-13x018 | 4001237 | 130 |
| | | | 20.0 | | STs2-T-2m-13x020 | 4001238 | 120 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-13x022 | 4001239 | 110 |
| 25.0 | 20 | | 25.0 | | STs2-T-2m-13x025 | 4001240 | 92 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-13x028 | 4001241 | 86 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-13x035 | 4001244 | 76 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-13x042 | 4001246 | 56 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-13x048 | 4001248 | 48 |
| 54.0 | 50 | | 54.0 | | STs2-T-2m-13x054 | 4001249 | 46 |
| | | 2 | 60.3 | 50 | STs2-T-2m-13x060 | 4001251 | 40 |
| 64.0 | | | 63.5 | | STs2-T-2m-13x064 | 4001252 | 40 |
| 70.0 | | | 70.0 | | STs2-T-2m-13x070 | 4001254 | 40 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-13x076 | 4001255 | 34 |
| 80.0 | | | | | STs2-T-2m-13x080 | 4001256 | 30 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-13x089 | 4001257 | 30 |
| 108.0 | 100 | | 108.0 | | STs2-T-2m-13x108 | 4001259 | 28 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-2m-13x114 | 4001260 | 28 |
| | | | 125.0 | | STs2-T-2m-13x125 | 4001261 | 20 |
| 133.0 | 125 | | 133.0 | | STs2-T-2m-13x133 | 4001262 | 18 |
| | | 5 | 139.7 | 125 | STs2-T-2m-13x140 | 4001263 | 18 |
| 159.0 | 150 | | 160.0 | | STs2-T-2m-13x160 | 4001264 | 16 |

Kaiflex ST s2
Tube



| Colour: Anthracite · Length: 2 m | | | | | | | |
|----------------------------------|---------------------|-------------------------|----------|---------------------|-------------------------------|-----------|--------------|
| Copper pipe Cu | | Iron & steel pipe Fe | | | 19 mm Insulation thickness | | |
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 6.0 | 4 | | | | STs2-T-2m-19x006 | 4001266 | 126 |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-2m-19x010 | 4001267 | 106 |
| 12.0 | 10 | | 12.5 | | STs2-T-2m-19x012 | 4001268 | 100 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-2m-19x015 | 4001269 | 86 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-2m-19x018 | 4001270 | 78 |
| | | | 20.0 | | STs2-T-2m-19x020 | 4001271 | 76 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-19x022 | 4001272 | 74 |
| 25.0 | 20 | | 25.0 | | STs2-T-2m-19x025 | 4001273 | 60 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-19x028 | 4001274 | 58 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-19x035 | 4001277 | 48 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-19x042 | 4001279 | 40 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-19x048 | 4001281 | 30 |
| 54.0 | 50 | | 54.0 | | STs2-T-2m-19x054 | 4001282 | 30 |
| | | 2 | 60.3 | 50 | STs2-T-2m-19x060 | 4001284 | 28 |
| 64.0 | | | 63.5 | | STs2-T-2m-19x064 | 4001285 | 28 |
| 70.0 | | | 70.0 | | STs2-T-2m-19x070 | 4001287 | 28 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-19x076 | 4001288 | 28 |
| 80.0 | | | | | STs2-T-2m-19x080 | 4001289 | 26 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-19x089 | 4001290 | 22 |
| 108.0 | 100 | | 108.0 | | STs2-T-2m-19x108 | 4001292 | 20 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-2m-19x114 | 4001293 | 18 |
| | | | 125.0 | | STs2-T-2m-19x125 | 4001294 | 18 |
| 133.0 | 125 | | 133.0 | | STs2-T-2m-19x133 | 4001295 | 12 |
| | | 5 | 139.7 | 125 | STs2-T-2m-19x140 | 4001296 | 10 |
| 159.0 | 150 | | 160.0 | | STs2-T-2m-19x160 | 4001297 | 8 |
| 168.0 | | | 168.3 | 150 | STs2-T-2m-19x168 | 4001298 | 8 |

Kaiflex ST s2
Tube



| Colour: Anthracite · Length: 2 m | | | | | | | |
|----------------------------------|---------------------|-------------------------|----------|---------------------|-------------------------------|-----------|--------------|
| Copper pipe Cu | | Iron & steel pipe Fe | | | 25 mm Insulation thickness | | |
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-2m-25x010 | 4001300 | 72 |
| 12.0 | 10 | | 12.5 | | STs2-T-2m-25x012 | 4001301 | 60 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-2m-25x015 | 4001302 | 60 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-2m-25x018 | 4001303 | 50 |
| | | | 20.0 | | STs2-T-2m-25x020 | 4001304 | 50 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-25x022 | 4001305 | 42 |
| 25.0 | 20 | | 25.0 | | STs2-T-2m-25x025 | 4001306 | 40 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-25x028 | 4001307 | 40 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-25x035 | 4001309 | 32 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-25x042 | 4001311 | 24 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-25x048 | 4001312 | 24 |
| 54.0 | 50 | | 54.0 | | STs2-T-2m-25x054 | 4001313 | 22 |
| | | 2 | 60.3 | 50 | STs2-T-2m-25x060 | 4001314 | 22 |
| 64.0 | | | 63.5 | | STs2-T-2m-25x064 | 4001315 | 18 |
| 70.0 | | | 70.0 | | STs2-T-2m-25x070 | 4001317 | 18 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-25x076 | 4001318 | 18 |
| 80.0 | | | | | STs2-T-2m-25x080 | 4001319 | 14 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-25x089 | 4001320 | 14 |
| 108.0 | 100 | | 108.0 | | STs2-T-2m-25x108 | 4001322 | 10 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-2m-25x114 | 4001323 | 10 |
| | | 5 | 139.7 | 125 | STs2-T-2m-25x140 | 4001325 | 6 |
| 159.0 | 150 | | 160.0 | | STs2-T-2m-25x160 | 4001326 | 6 |
| 168.0 | | | 168.3 | 150 | STs2-T-2m-25x168 | 4001327 | 6 |

Kaiflex ST s2
Tube



Colour: Anthracite - Length: 2 m

| Copper pipe Cu | | Iron & steel pipe Fe | | | 32 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-2m-32x010 | 4001345 | 40 |
| 12.0 | 10 | | 12.5 | | STs2-T-2m-32x012 | 4001346 | 36 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-2m-32x015 | 4001347 | 32 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-2m-32x018 | 4001348 | 32 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-32x022 | 4001349 | 32 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-32x028 | 4001351 | 24 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-32x035 | 4001352 | 24 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-32x042 | 4001353 | 22 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-32x048 | 4001354 | 18 |
| 54.0 | 50 | | 54.0 | | STs2-T-2m-32x054 | 4001355 | 18 |
| | | 2 | 60.3 | 50 | STs2-T-2m-32x060 | 4001357 | 16 |
| 64.0 | | | 63.5 | | STs2-T-2m-32x064 | 4001358 | 16 |
| 70.0 | | | 70.0 | | STs2-T-2m-32x070 | 4001360 | 14 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-32x076 | 4001361 | 12 |
| 80.0 | | | | | STs2-T-2m-32x080 | 4001362 | 12 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-32x089 | 4001363 | 10 |
| 108.0 | 100 | | 108.0 | | STs2-T-2m-32x108 | 4001365 | 8 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-2m-32x114 | 4001366 | 8 |
| | | | 125.0 | | STs2-T-2m-32x125 | 4001367 | 6 |
| 133.0 | 125 | | 133.0 | | STs2-T-2m-32x133 | 4001368 | 6 |
| | | 5 | 139.7 | 125 | STs2-T-2m-32x140 | 4001369 | 6 |
| 159.0 | 150 | | 160.0 | | STs2-T-2m-32x160 | 4001370 | 4 |
| 168.0 | | | 168.3 | 150 | STs2-T-2m-32x168 | 4001371 | 4 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 40 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-40x022 | 4001373 | 22 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-40x028 | 4001375 | 16 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-40x035 | 4001376 | 16 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-40x042 | 4001377 | 16 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-40x048 | 4001378 | 12 |
| 54.0 | 50 | | 54.0 | | STs2-T-2m-40x054 | 4001379 | 10 |
| | | 2 | 60.3 | 50 | STs2-T-2m-40x060 | 4001380 | 10 |
| 64.0 | | | 63.5 | | STs2-T-2m-40x064 | 4001381 | 10 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-40x076 | 4001382 | 10 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-40x089 | 4001384 | 10 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-2m-40x114 | 4001387 | 6 |
| | | | 125.0 | | STs2-T-2m-40x125 | 4001388 | 6 |
| | | 5 | 139.7 | 125 | STs2-T-2m-40x140 | 4001389 | 6 |
| 159.0 | 150 | | 160.0 | | STs2-T-2m-40x160 | 4001390 | 4 |
| 168.0 | | | 168.3 | 150 | STs2-T-2m-40x168 | 4001391 | 4 |

Kaiflex ST s2
Tube



Colour: Anthracite · Length: 2 m

| Copper pipe Cu | | Iron & steel pipe Fe | | | 50 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|--------------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-50x022 | 4001393 | 14 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-50x028 | 4001395 | 10 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-50x035 | 4001396 | 8 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-50x042 | 4001397 | 8 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-50x048 | 4001398 | 8 |
| 54.0 | 50 | | 54.0 | | STs2-T-2m-50x054 | 4001399 | 8 |
| | | 2 | 60.3 | 50 | STs2-T-2m-50x060 | 4001400 | 8 |
| 64.0 | | | 63.5 | | STs2-T-2m-50x064 | 4001401 | 6 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-50x076 | 4001402 | 6 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-50x089 | 4001403 | 6 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-2m-50x114 | 4001406 | 4 |
| | | 5 | 139.7 | 125 | STs2-T-2m-50x140 | 4001408 | 2 |
| 159.0 | 150 | | 160.0 | | STs2-T-2m-50x160 | 4001409 | 2 |
| 168.0 | | | 168.3 | 150 | STs2-T-2m-50x168 | 4001410 | 2 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 60 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|--------------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-2m-60x114 | 4001413 | 2 |
| | | 5 | 139.7 | 125 | STs2-T-2m-60x140 | 4001414 | 2 |
| 159.0 | 150 | | 160.0 | | STs2-T-2m-60x160 | 4005653 | 2 |
| 168.0 | | | 168.3 | 150 | STs2-T-2m-60x168 | 4001415 | 2 |

Kaiflex ST s2
Tube



Colour: Anthracite - Length: 1,2 m

| Copper pipe Cu | | Iron & steel pipe Fe | | | 9 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 6.0 | 4 | | | | STs2-T-1,2m-09x006 | 4002889 | 270.0 |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-1,2m-09x010 | 4002890 | 228.0 |
| 12.0 | 10 | | 12.5 | | STs2-T-1,2m-09x012 | 4002891 | 192.0 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-1,2m-09x015 | 4002892 | 158.4 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-1,2m-09x018 | 4002893 | 144.0 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-1,2m-09x022 | 4002894 | 112.8 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-1,2m-09x028 | 4002895 | 90.0 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-1,2m-09x035 | 4002896 | 69.6 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-1,2m-09x042 | 4002897 | 57.6 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-1,2m-09x048 | 4002898 | 50.4 |
| 54.0 | 50 | | 54.0 | | STs2-T-1,2m-09x054 | 4002899 | 45.6 |
| | | 2 | 60.3 | 50 | STs2-T-1,2m-09x060 | 4002900 | 43.2 |
| 64.0 | | | 63.5 | | STs2-T-1,2m-09x064 | 4002901 | 43.2 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-1,2m-09x076 | 4002902 | 36.0 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-1,2m-09x089 | 4002903 | 28.8 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-1,2m-09x114 | 4002905 | 19.2 |
| | | | 125.0 | | STs2-T-1,2m-09x125 | 4002906 | 13.2 |
| | | 5 | 139.7 | 125 | STs2-T-1,2m-09x140 | 4002908 | 12.0 |
| 159.0 | 150 | | 160.0 | | STs2-T-1,2m-09x160 | 4002909 | 10.8 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 13 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 6.0 | 4 | | | | STs2-T-1,2m-13x006 | 4002910 | 163.2 |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-1,2m-13x010 | 4002911 | 134.4 |
| 12.0 | 10 | | 12.5 | | STs2-T-1,2m-13x012 | 4002912 | 120.0 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-1,2m-13x015 | 4002913 | 108.0 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-1,2m-13x018 | 4002914 | 88.8 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-1,2m-13x022 | 4002915 | 80.4 |
| 25.0 | 20 | | 25.0 | | STs2-T-1,2m-13x025 | 4010874 | 67.2 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-1,2m-13x028 | 4002916 | 62.4 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-1,2m-13x035 | 4002917 | 50.4 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-1,2m-13x042 | 4002918 | 42.0 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-1,2m-13x048 | 4002919 | 38.4 |
| 54.0 | 50 | | 54.0 | | STs2-T-1,2m-13x054 | 4002920 | 36.0 |
| | | 2 | 60.3 | 50 | STs2-T-1,2m-13x060 | 4002921 | 28.8 |
| 64.0 | | | 63.5 | | STs2-T-1,2m-13x064 | 4002922 | 28.8 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-1,2m-13x076 | 4002923 | 27.6 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-1,2m-13x089 | 4002924 | 24.0 |
| 108.0 | 100 | | 108.0 | | STs2-T-1,2m-13x108 | 4002925 | 19.2 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-1,2m-13x114 | 4002926 | 19.2 |
| | | | 125.0 | | STs2-T-1,2m-13x125 | 4002927 | 13.2 |
| 133.0 | 125 | | 133.0 | | STs2-T-1,2m-13x133 | 4002928 | 12.0 |
| | | 5 | 139.7 | 125 | STs2-T-1,2m-13x140 | 4002929 | 12.0 |
| 159.0 | 150 | | 160.0 | | STs2-T-1,2m-13x160 | 4002930 | 10.8 |

Kaiflex ST s2
Tube



Colour: Anthracite · Length: 1,2 m

| Copper pipe Cu | | Iron & steel pipe Fe | | | 19 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-1,2m-19x010 | 4002931 | 86.4 |
| 12.0 | 10 | | 12.5 | | STs2-T-1,2m-19x012 | 4002932 | 72.0 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-1,2m-19x015 | 4002933 | 67.2 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-1,2m-19x018 | 4002934 | 50.4 |
| | | | 20.0 | | STs2-T-1,2m-19x020 | 4012650 | 50.4 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-1,2m-19x022 | 4002935 | 49.2 |
| 25.0 | 20 | | 25.0 | | STs2-T-1,2m-19x025 | 4010698 | 46.8 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-1,2m-19x028 | 4002936 | 39.6 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-1,2m-19x035 | 4002937 | 34.8 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-1,2m-19x042 | 4002938 | 28.8 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-1,2m-19x048 | 4002939 | 27.6 |
| 54.0 | 50 | | 54.0 | | STs2-T-1,2m-19x054 | 4002940 | 21.6 |
| | | 2 | 60.3 | 50 | STs2-T-1,2m-19x060 | 4002941 | 21.6 |
| 64.0 | | | 63.5 | | STs2-T-1,2m-19x064 | 4002942 | 21.6 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-1,2m-19x076 | 4002943 | 16.8 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-1,2m-19x089 | 4002944 | 16.8 |
| | | 3 1/2 | 101.6 | | STs2-T-1,2m-19x102 | 4012652 | 14.4 |
| 108.0 | 100 | | 108.0 | | STs2-T-1,2m-19x108 | 4002945 | 16.8 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-1,2m-19x114 | 4002946 | 13.2 |
| | | | 125.0 | | STs2-T-1,2m-19x125 | 4002947 | 12.0 |
| 133.0 | 125 | | 133.0 | | STs2-T-1,2m-19x133 | 4002948 | 9.6 |
| | | 5 | 139.7 | 125 | STs2-T-1,2m-19x140 | 4002949 | 9.6 |
| 159.0 | 150 | | 160.0 | | STs2-T-1,2m-19x160 | 4002950 | 7.2 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 25 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-1,2m-25x018 | 4010699 | 37.2 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-1,2m-25x022 | 4002951 | 30.0 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-1,2m-25x028 | 4002952 | 24.0 |
| | | | | | STs2-T-1,2m-25x032 | 4012654 | 21.6 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-1,2m-25x035 | 4002953 | 21.6 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-1,2m-25x042 | 4002954 | 19.2 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-1,2m-25x048 | 4002955 | 16.8 |
| 54.0 | 50 | | 54.0 | | STs2-T-1,2m-25x054 | 4002956 | 16.8 |
| | | 2 | 60.3 | 50 | STs2-T-1,2m-25x060 | 4002957 | 15.6 |
| 64.0 | | | 63.5 | | STs2-T-1,2m-25x064 | 4002958 | 14.4 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-1,2m-25x076 | 4002959 | 12.0 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-1,2m-25x089 | 4002960 | 9.6 |
| 108.0 | 100 | | 108.0 | | STs2-T-1,2m-25x108 | 4002961 | 7.2 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-1,2m-25x114 | 4002962 | 7.2 |
| | | 5 | 139.7 | 125 | STs2-T-1,2m-25x140 | 4002963 | 6.0 |
| 159.0 | 150 | | 160.0 | | STs2-T-1,2m-25x160 | 4002964 | 6.0 |

Kaiflex ST s2
Tube



Colour: Anthracite · Length: 1,2 m

| Copper pipe Cu | | Iron & steel pipe Fe | | | 32 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-1,2m-32x015 | 4012656 | 21.6 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-1,2m-32x018 | 4010700 | 21.6 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-1,2m-32x022 | 4010361 | 21.6 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-1,2m-32x028 | 4002965 | 19.2 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-1,2m-32x035 | 4002966 | 18.0 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-1,2m-32x042 | 4002967 | 14.4 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-1,2m-32x048 | 4002968 | 13.2 |
| 54.0 | 50 | | 54.0 | | STs2-T-1,2m-32x054 | 4002969 | 12.0 |
| | | 2 | 60.3 | 50 | STs2-T-1,2m-32x060 | 4002970 | 10.8 |
| 64.0 | | | 63.5 | | STs2-T-1,2m-32x064 | 4002971 | 10.8 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-1,2m-32x076 | 4002972 | 9.6 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-1,2m-32x089 | 4002973 | 7.2 |
| 108.0 | 100 | | 108.0 | | STs2-T-1,2m-32x108 | 4002974 | 7.2 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-1,2m-32x114 | 4002975 | 6.0 |
| 133.0 | 125 | | 133.0 | | STs2-T-1,2m-32x133 | 4002976 | 6.0 |
| 159.0 | 150 | 5 | 139.7 | 125 | STs2-T-1,2m-32x140 | 4002977 | 4.8 |
| | | | 160.0 | | STs2-T-1,2m-32x160 | 4002978 | 4.8 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 40 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-1,2m-40x022 | 4010767 | 14.4 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-1,2m-40x028 | 4012214 | 14.4 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-1,2m-40x035 | 4002979 | 9.6 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-1,2m-40x042 | 4002980 | 9.6 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-1,2m-40x048 | 4002981 | 9.6 |
| 54.0 | 50 | | 54.0 | | STs2-T-1,2m-40x054 | 4002982 | 7.2 |
| | | 2 | 60.3 | 50 | STs2-T-1,2m-40x060 | 4002983 | 7.2 |
| 64.0 | | | 63.5 | | STs2-T-1,2m-40x064 | 4002984 | 7.2 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-1,2m-40x076 | 4002985 | 7.2 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-1,2m-40x089 | 4002986 | 6.0 |
| 114.0 | 100 | 4 | 114.3 | 100 | STs2-T-1,2m-40x114 | 4002988 | 4.8 |
| | | 5 | 139.7 | 125 | STs2-T-1,2m-40x140 | 4002990 | 3.6 |
| 168.0 | | | 168.3 | 150 | STs2-T-1,2m-40x168 | 4012593 | 2.4 |

Kaiflex ST s2

Tube · self-adhesive · with tangential cut



Colour: Anthracite · Length: 2 m

| Copper pipe Cu | | Iron & steel pipe Fe | | | 9 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|------------------------------|-----------|--------------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-2m-09x015-SA | 4001649 | 240 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-2m-09x018-SA | 4001650 | 190 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-09x022-SA | 4001651 | 156 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-09x028-SA | 4001652 | 124 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-09x035-SA | 4001653 | 92 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-09x042-SA | 4001654 | 70 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-09x048-SA | 4001655 | 60 |
| 54.0 | 50 | | 54.0 | | STs2-T-2m-09x054-SA | 4001656 | 60 |
| | | 2 | 60.3 | 50 | STs2-T-2m-09x060-SA | 4001657 | 60 |
| 64.0 | | | 63.5 | | STs2-T-2m-09x064-SA | 4001658 | 54 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-09x076-SA | 4001659 | 54 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-09x089-SA | 4001660 | 36 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 13 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|--------------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-2m-13x015-SA | 4001661 | 154 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-2m-13x018-SA | 4001662 | 130 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-13x022-SA | 4001663 | 110 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-13x028-SA | 4001664 | 86 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-13x035-SA | 4001665 | 76 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-13x042-SA | 4001666 | 56 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-13x048-SA | 4001667 | 48 |
| 54.0 | 50 | | 54.0 | | STs2-T-2m-13x054-SA | 4001668 | 46 |
| | | 2 | 60.3 | 50 | STs2-T-2m-13x060-SA | 4001669 | 40 |
| 64.0 | | | 63.5 | | STs2-T-2m-13x064-SA | 4001670 | 40 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-13x076-SA | 4001671 | 34 |
| 80.0 | | | | | STs2-T-2m-13x080-SA | 4001672 | 30 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-13x089-SA | 4001673 | 30 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 19 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|--------------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-2m-19x015-SA | 4001674 | 86 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-2m-19x018-SA | 4001675 | 78 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-19x022-SA | 4001676 | 74 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-19x028-SA | 4001677 | 58 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-19x035-SA | 4001678 | 48 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-19x042-SA | 4001679 | 40 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-19x048-SA | 4001680 | 30 |
| 54.0 | 50 | | 54.0 | | STs2-T-2m-19x054-SA | 4001681 | 30 |
| | | 2 | 60.3 | 50 | STs2-T-2m-19x060-SA | 4001682 | 28 |
| 64.0 | | | 63.5 | | STs2-T-2m-19x064-SA | 4001683 | 28 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-19x076-SA | 4001685 | 28 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-19x089-SA | 4001686 | 22 |

Kaiflex ST s2

Tube · self-adhesive · with tangential cut



| Colour: Anthracite · Length: 2 m | | | | | | | |
|----------------------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|-----------|
| Copper pipe Cu | | Iron & steel pipe Fe | | | 25 mm Insulation thickness | | |
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-2m-25x015-SA | 4001687 | 60 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-25x022-SA | 4001688 | 42 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-25x028-SA | 4001689 | 40 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-2m-25x035-SA | 4001690 | 32 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-2m-25x042-SA | 4001691 | 24 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-2m-25x048-SA | 4001692 | 24 |
| 54.0 | 50 | 2 | 54.0 | | STs2-T-2m-25x054-SA | 4001693 | 22 |
| | | | 60.3 | 50 | STs2-T-2m-25x060-SA | 4001694 | 22 |
| | | | | | STs2-T-2m-25x067-SA | 4007422 | 18 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-2m-25x076-SA | 4001695 | 18 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-2m-25x089-SA | 4001696 | 14 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 32 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-2m-32x022-SA | 4009294 | 32 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-2m-32x028-SA | 4009295 | 24 |
| | | 2 | 60.3 | 50 | STs2-T-2m-32x060-SA | 4001697 | 16 |

Kaiflex ST s2

Tube · self-adhesive · with tangential cut



| Colour: Anthracite · Length: 1.2 m | | | | | | | |
|------------------------------------|---------------|-------------------------|-------|---------------|------------------------------|-----------|-----------|
| Copper pipe Cu | | Iron & steel pipe Fe | | | 9 mm Insulation thickness | | |
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-1,2m-09x015-SA | 4003002 | 158.4 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-1,2m-09x022-SA | 4003003 | 112.8 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-1,2m-09x028-SA | 4006747 | 90.0 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-1,2m-09x035-SA | 4005862 | 69.6 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-1,2m-09x042-SA | 4006748 | 57.6 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-1,2m-09x048-SA | 4009480 | 50.4 |
| 54.0 | 50 | 2 | 54.0 | | STs2-T-1,2m-09x054-SA | 4006749 | 45.6 |
| | | | 60.3 | 50 | STs2-T-1,2m-09x060-SA | 4005863 | 43.2 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-1,2m-09x076-SA | 4006750 | 36.0 |

Kaiflex ST s2

Tube · self-adhesive · with tangential cut



| Colour: Anthracite · Length: 1.2 m | | | | | | | |
|------------------------------------|---------------------|-------------------------|----------|---------------------|-------------------------------|-----------|--------------|
| Copper pipe Cu | | Iron & steel pipe Fe | | | 13 mm Insulation thickness | | |
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 12.0 | 10 | | 12.5 | | STs2-T-1,2m-13x012-SA | 4004928 | 120.0 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-1,2m-13x015-SA | 4003004 | 108.0 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-1,2m-13x018-SA | 4006751 | 88.8 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-1,2m-13x022-SA | 4003005 | 80.4 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-1,2m-13x028-SA | 4003006 | 62.4 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-1,2m-13x035-SA | 4005864 | 50.4 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-1,2m-13x042-SA | 4005865 | 42.0 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-1,2m-13x048-SA | 4005866 | 38.4 |
| 54.0 | 50 | | 54.0 | | STs2-T-1,2m-13x054-SA | 4005867 | 36.0 |
| | | 2 | 60.3 | 50 | STs2-T-1,2m-13x060-SA | 4005868 | 28.8 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-1,2m-13x076-SA | 4005869 | 27.6 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-1,2m-13x089-SA | 4012822 | 24.0 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 19 mm Insulation thickness | | |
|-------------------|---------------------|-------------------------|----------|---------------------|-------------------------------|-----------|--------------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-1,2m-19x015-SA | 4006752 | 67.2 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-1,2m-19x018-SA | 4010416 | 50.4 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-1,2m-19x022-SA | 4005870 | 49.2 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-1,2m-19x028-SA | 4003007 | 39.6 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-1,2m-19x035-SA | 4010417 | 34.8 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-1,2m-19x042-SA | 4010717 | 28.8 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-1,2m-19x048-SA | 4012823 | 27.6 |
| 54.0 | 50 | | 54.0 | | STs2-T-1,2m-19x054-SA | 4010871 | 21.6 |
| | | 2 | 60.3 | 50 | STs2-T-1,2m-19x060-SA | 4012824 | 21.6 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-1,2m-19x076-SA | 4010872 | 16.8 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-1,2m-19x089-SA | 4010873 | 16.8 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 25 mm Insulation thickness | | |
|-------------------|---------------------|-------------------------|----------|---------------------|-------------------------------|-----------|--------------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-1,2m-25x022-SA | 4012825 | 30.0 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-1,2m-25x028-SA | 4012826 | 24.0 |
| 35.0 | 32 | 1 | 33.7 | 25 | STs2-T-1,2m-25x035-SA | 4012827 | 21.6 |
| 42.0 | 40 | 1 1/4 | 42.4 | 32 | STs2-T-1,2m-25x042-SA | 4012828 | 19.2 |
| | | 1 1/2 | 48.3 | 40 | STs2-T-1,2m-25x048-SA | 4012829 | 16.8 |
| 54.0 | 50 | | 54.0 | | STs2-T-1,2m-25x054-SA | 4012830 | 16.8 |
| | | 2 | 60.3 | 50 | STs2-T-1,2m-25x060-SA | 4012831 | 15.6 |
| 76.1 | 65 | 2 1/2 | 76.1 | 65 | STs2-T-1,2m-25x076-SA | 4012832 | 12.0 |
| 88.9 | 80 | 3 | 88.9 | 80 | STs2-T-1,2m-25x089-SA | 4012833 | 9.6 |

Kaiflex ST s2
Tube · endless






| Colour: Anthracite | | | | | | | |
|--------------------|---------------|-------------------------|-------|---------------|------------------------------|-----------|-----------|
| Copper pipe Cu | | Iron & steel pipe Fe | | | 6 mm Insulation thickness | | |
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 6.0 | 4 | | | | STs2-T-e-06x006 | 4001500 | 50 |
| 8.0 | 6 | | | | STs2-T-e-06x008 | 4001501 | 48 |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-e-06x010 | 4001502 | 46 |
| 12.0 | 10 | | 12.5 | | STs2-T-e-06x012 | 4001503 | 40 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-e-06x015 | 4001504 | 38 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-e-06x018 | 4001505 | 30 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-e-06x022 | 4001506 | 23 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-e-06x028 | 4001507 | 20 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 9 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 6.0 | 4 | | | | STs2-T-e-09x006 | 4001508 | 40 |
| 8.0 | 6 | | | | STs2-T-e-09x008 | 4001509 | 37 |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-e-09x010 | 4001510 | 34 |
| 12.0 | 10 | | 12.5 | | STs2-T-e-09x012 | 4001511 | 31 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-e-09x015 | 4001512 | 27 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-e-09x018 | 4001513 | 23 |
| | | | 20.0 | | STs2-T-e-09x020 | 4006619 | 23 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-e-09x022 | 4001514 | 19 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-e-09x028 | 4001515 | 14 |

| Copper pipe Cu | | Iron & steel pipe Fe | | | 13 mm Insulation thickness | | |
|-------------------|---------------|-------------------------|-------|---------------|-------------------------------|-----------|-----------|
| OD mm | Nom. width DN | Inch | OD mm | Nom. width DN | Dimension / Reference | Order No. | m/ carton |
| 6.0 | 4 | | | | STs2-T-e-13x006 | 4001516 | 26 |
| 10.0 | 8 | 1/8 | 10.2 | 6 | STs2-T-e-13x010 | 4001518 | 23 |
| 12.0 | 10 | | 12.5 | | STs2-T-e-13x012 | 4001519 | 18 |
| 15.0 | 10 | 1/4 | 13.5 | 8 | STs2-T-e-13x015 | 4001520 | 17 |
| 18.0 | 15 | 3/8 | 17.2 | 10 | STs2-T-e-13x018 | 4001521 | 15 |
| 22.0 | 20 | 1/2 | 21.3 | 15 | STs2-T-e-13x022 | 4001522 | 14 |
| 28.0 | 25 | 3/4 | 26.9 | 20 | STs2-T-e-13x028 | 4001523 | 10 |






Accessories

Adhesive · Cleaner · Protective Coating

| | | Details | Dimension / Reference | Order No. | Container type | Content | Pcs./ PU |
|---|------------------------------|----------------------------------|-----------------------|-----------|----------------|---------|----------|
| Adhesive | | | | | | | |
|  | Kaiflex Special Adhesive 414 | incl brush · toluene-free | Ad-414-CA220 | 4004706 | Can | 220 g | 24 |
| | Kaiflex Special Adhesive 414 | toluene-free | Ad-414-CA660 | 4004708 | Can | 660 g | 20 |
| | Kaiflex Special Adhesive 414 | toluene-free | Ad-414-CN2200 | 4004710 | Canister | 2200 g | 6 |
| Cleaner | | | | | | | |
|  | Kaiflex Cleaner | | Clean-CA1000 | 4004732 | Can | 1.0 l | 12 |
| Protective Coating | | | | | | | |
|  | Kaifinish Color | Colour: White (approx. RAL 9010) | KF-Co-wh-CA750 | 4004719 | Can | 0.75 l | 4 |
| | | Colour: Grey (approx. RAL 7035) | KF-Co-gr-CA750 | 4004720 | Can | 0.75 l | 4 |


Accessories

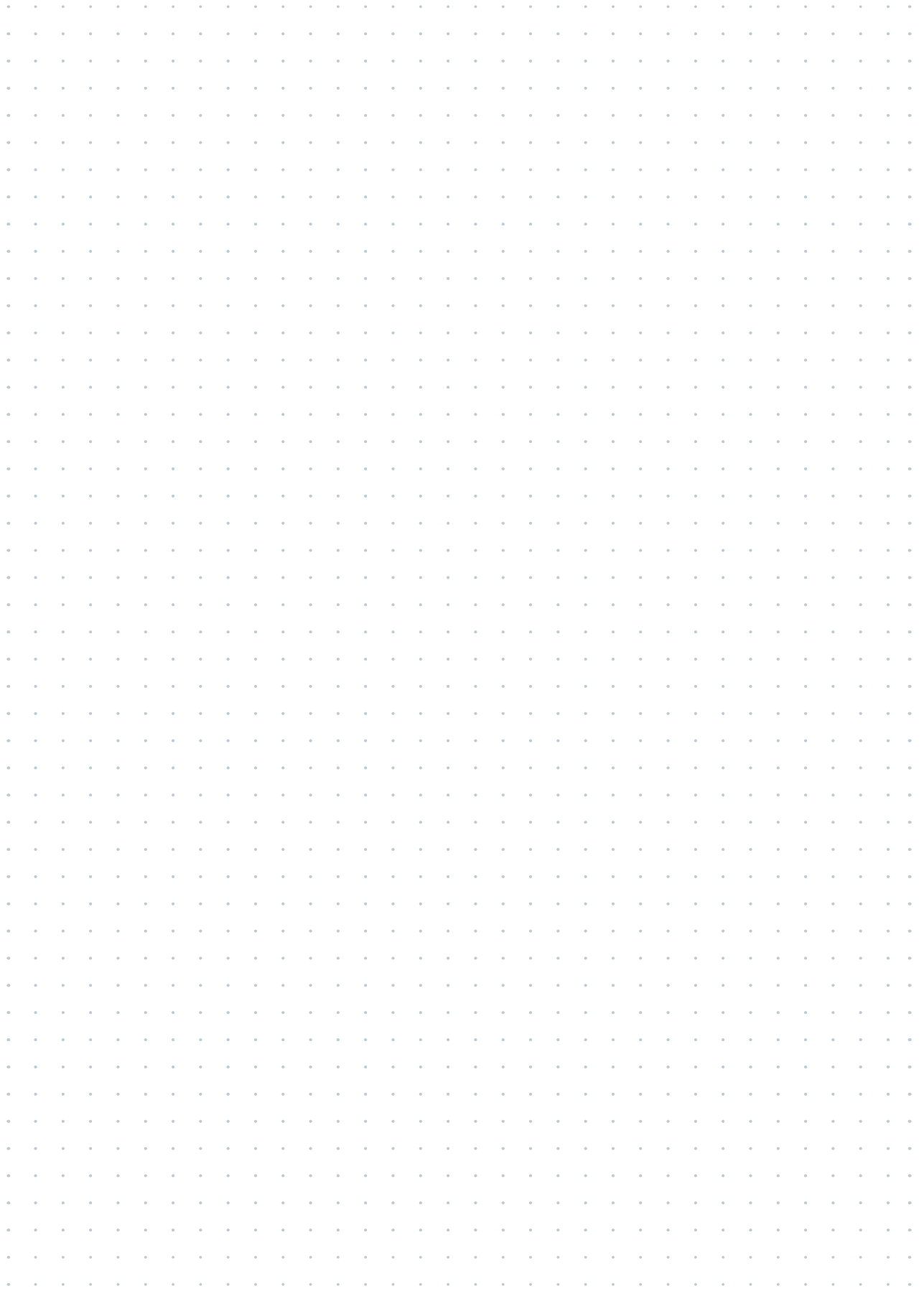
Glue pump · Knife · Gel ink pen

| | | Details | Dimension / Reference | Order No. | Pcs./ PU |
|---|---------------|---|------------------------|-----------|----------|
| Glue pump | | | | | |
|  | Glue pump | long spout · 17 mm brush | Gl-Pmp-long | 4004718 | 1 |
| | Glue pump | short spout · 17 mm brush | Gl-Pmp-short | 4004715 | 1 |
| | 11 mm brush | for glue pump | Gl-Pmp-Brush-11 | 4004716 | 1 |
| | 17 mm brush | for glue pump | Gl-Pmp-Brush-17 | 4004717 | 1 |
| Knife | | | | | |
|  | Ceramic knife | with ceramic blade (15 cm) and plastic handle (14 cm) | Knf-Ceramic | 4004737 | 1 |
|  | Sheet knife | | Knf-Sheet | 4004735 | 1 |
|  | Set of knives | 3 knives, 1 whetstone | Knf-Set | 4004736 | 1 |
| Gel ink pen | | | | | |
|  | Gel ink pen | Colour: Silver · for marking on insulation materials | Gelpen | 4004730 | 12 |

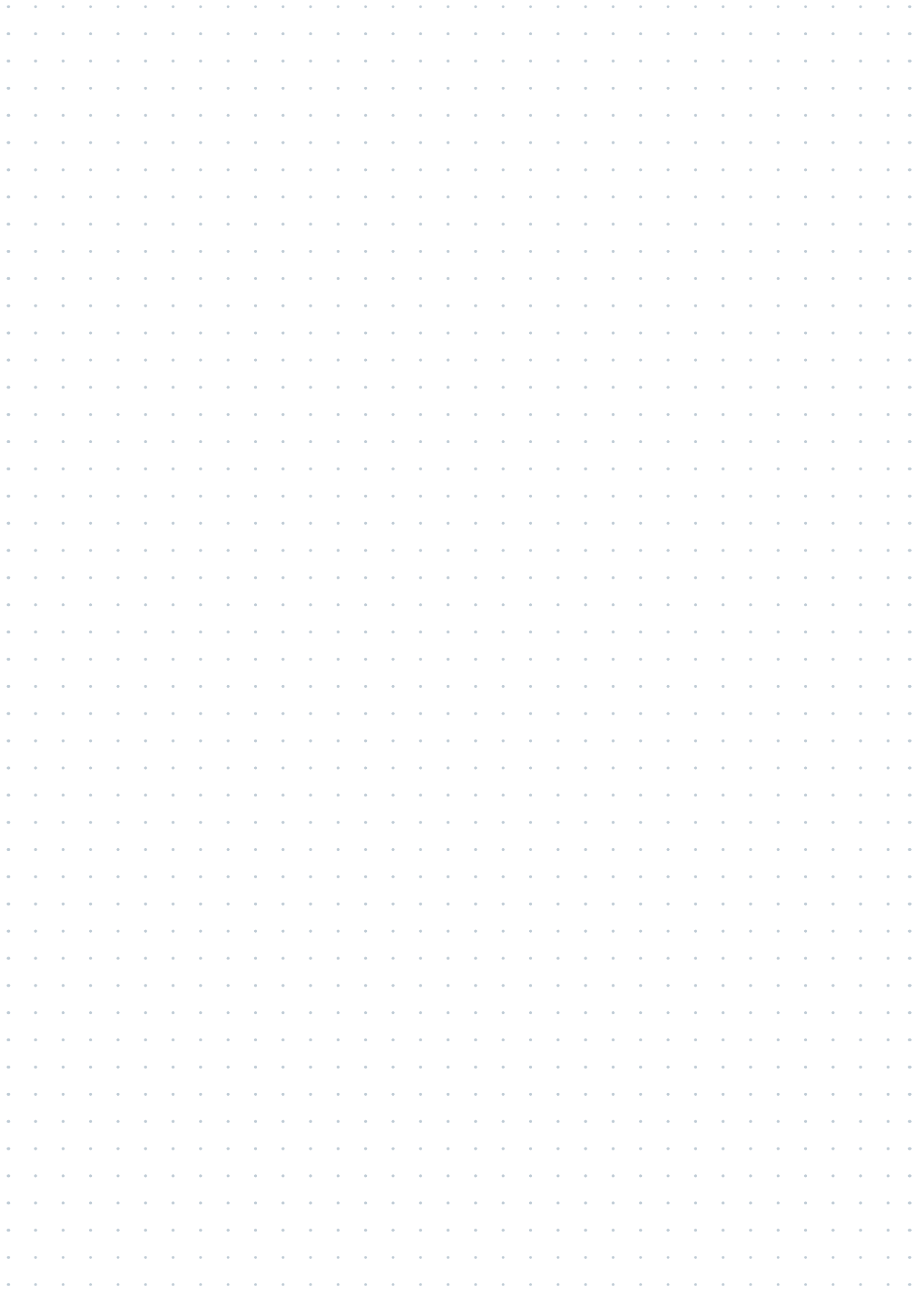
Accessories

Tape

| | | Details | Dimension / Reference | Order No. | Width mm | Length m | Thickness mm | Pcs./ PU |
|---|-----------------|---------------|-------------------------|-----------|----------|----------|--------------|----------|
|  | Kaiflex ST Tape | self-adhesive | Tp-ST-50/15/3-SA | 4004675 | 50 | 15 | 3 | 12 |







Tolerances, Limits

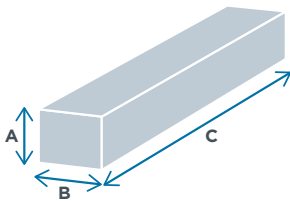
EN 14304:2009+A1:2013 · Flexible Elastomeric Foam (FEF)

| Delivery form | Length | Width | Thickness | | Perpendicularity | Inner diameter | |
|---------------|------------------|--------|---|------------------------------|------------------|---------------------------------------|---------------------------------------|
| | | | Stated | Limits | | $D_i \leq 100$ | $D_i > 100$ |
| Tube | ±1.5 % | - | $d_b \leq 8$ $8 < d_b \leq 18$ $18 < d_b \leq 31$ $d_b > 31$ | ±1.0 ±1.5 ±2.5 ±3.0 | 3.0 mm | $D_{iD} + 1 \leq D_i \leq D_{iD} + 4$ | $D_{iD} + 1 \leq D_i \leq D_{iD} + 6$ |
| Tape | +5.0 % -1.5 % | ±2.0 % | $d_b = 3$ | -0.1 +1.5 | - | - | - |

Measurements in mm · D_i = inner diameter · d_b = Nominal thickness of product · D_{iD} = Nominal thickness of a tube

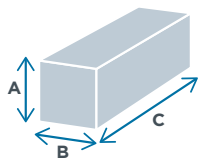
Kaiflex ST s2

Packaging types



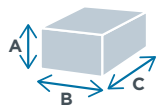
Tube · Length: 2 m

A: 320 mm
B: 410 mm
C: 2120 mm
Volume: 0.278 m³



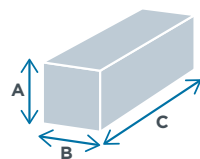
Tube · Length: 1.2 m

A: 385 mm
B: 400 mm
C: 1230 mm
Volume: 0.189 m³



Tube · endless

A: 300 mm
B: 500 mm
C: 500 mm
Volume: 0.075 m³



Tape

A: 300 mm
B: 300 mm
C: 620 mm
Volume: 0.056 m³



General information

- Delivery in full packing units only.
- Delivery of 2 m tubes in shorter length: Up to 10 % of carton content may be supplied in length of 1 m. Carton content of less than 20 m tubes of 2 m length may be delivered in two pieces of 1 m length.
- The pipe dimensions given in the tables refer to DIN EN 1057 for copper pipes and DIN EN 10255 for steel pipes.
- Kaimann accessories are to be used to ensure proper installation.

We create solutions

Always finding the best solution for customers – this simple resolution is what produces innovative ideas and continuous progress at Kaimann. The company is one of the leading suppliers of technology and innovation in elastomeric insulation and offers a broad product portfolio for a wide range of applications, e.g. in building services and technology as well as industry.

These products ensure higher energy efficiency and sustainability, combined with effective protection against corrosion, fire and noise. Thanks to environmental product declarations (EPDs), Kaimann insulation also provides more transparency for its life cycle assessment.



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