



FORMWORK ACCESSORIES













WATERPROOFING TECHNOLOGY

for inner and outer waterproofing of plastic or fibre cement formwork tie points and conical anchor holes

STOPPER SCREW











Screwed sealing of formwork tie points – maximum safety with superb appearance



STOPPER









Inner seals for plastic and fibre cement distance tubes



RONDO MINI





Sealing collars for waterproofing of plastic or fibre cement distance tubes



ActiveRing





The swelling external high-pressure seal for plastic and fibre cement distance tubes



STOPPER SCREW (2) (0)











Technical details page 12

STOPPER SCREW type in







Art. no.	Description	Tie point inner diameter	PU per bucket	Secondary packaging	Weight per PU
046230	STOPPER SCREW 17 · type 3 in Total length: 72 mm	17 to 19.5 mm	100 pcs. incl. 2 bits	1 pallet = 55 buckets	2.80 kg
046240	STOPPER SCREW 20 · type 4 in Total length: 72 mm	19.5 to 22 mm	100 pcs. incl. 2 bits	1 pallet = 55 buckets	3.20 kg
046210	STOPPER SCREW 22 · type 1 in Total length: 72 mm	21.5 to 23 mm	100 pcs. incl. 2 bits	1 pallet = 55 buckets	3.60 kg
046220	STOPPER SCREW 23 · type 2 in Total length: 72 mm	22.3 to 25.4 mm	100 pcs. incl. 2 bits	1 pallet = 55 buckets	4.00 kg
046250	STOPPER SCREW 25 · type 5 in Total length: 72 mm	25 to 28 mm	100 pcs. incl. 2 bits	1 pallet = 55 buckets	4.80 kg
046270	STOPPER SCREW 28 · type 7 in Total length: 72 mm	27.5 to 29 mm	100 pcs. incl. 2 bits	1 pallet = 55 buckets	5.10 kg
046260	STOPPER SCREW 31 · type 6 in Total length: 80 mm	31 to 34 mm	50 pcs. incl. 2 bits	1 pallet = 55 buckets	3.80 kg

STOPPER SCREW type covered





Art. no.	Description	Tie point inner diameter	PU per bucket	Secondary packaging	Weight per PU
046330	STOPPER SCREW 17 · type 3 covered Cover plate: 28 mm, total length: 75 mm	100 pcs. incl. 2 bits	100 pcs. incl. 2 bits	1 pallet = 55 buckets	3.85 kg
046340	STOPPER SCREW 20 · type 4 covered Cover plate: 28 mm, total length: 75 mm	100 pcs. incl. 2 bits	100 pcs. incl. 2 bits	1 pallet = 55 buckets	4.30 kg
046310	STOPPER SCREW 22 · type 1 covered Cover plate: 28 mm, total length: 75 mm	100 pcs. incl. 2 bits	100 pcs. incl. 2 bits	1 pallet = 55 buckets	4.80 kg
046320	STOPPER SCREW 23 · type 2 covered Cover plate: 32 mm, total length: 75 mm	100 pcs. incl. 2 bits	100 pcs. incl. 2 bits	1 pallet = 55 buckets	5.40 kg
046350	STOPPER SCREW 25 · type 5 covered Cover plate: 32 mm, total length: 75 mm	100 pcs. incl. 2 bits	100 pcs. incl. 2 bits	1 pallet = 55 buckets	6.30 kg
046370	STOPPER SCREW 28 · type 7 covered Cover plate: 32 mm, total length: 75 mm	100 pcs. incl. 2 bits	100 pcs. incl. 2 bits	1 pallet = 55 buckets	6.60 kg
046360	STOPPER SCREW 31 - type 6 covered Cover plate: 38.5 mm, total length: 83 mm	50 pcs. incl. 2 bits	50 pcs. incl. 2 bits	1 pallet = 55 buckets	4.80 kg

Accessories

	Art. no.	Description	PU	Weight per pc.	
	046170	Hand-held cleaning brush Tie points of 17 – 34 mm	1 pc.	0.08 kg	
NEW	046171	Mechanical cleaning brush Tie points of 17 – 34 mm for drills or cordless screwdrivers Art.Gr. 610	1 pc.	0.06 kg	44444,
NEW	046183	STOPPER SCREW torque set 1 x torque bit holder, 2 x bits TX 20	1 set	0.04 kg	

STOPPER

Inner seals for plastic and fibre cement distance tubes









Technical details pages 13 – 14



Art. no.	Description	PU	Secondary packaging	Weight per bucket
046140	STOPPER in 22 for distance tubes inner diameter 21.5-23 mm	Bucket of 250 pcs.	1 pallet = 48 buckets	6.50 kg
046150	STOPPER mini 22 for distance tubes inner diameter 21.5-23 mm	Bucket of 250 pcs.	1 pallet = 48 buckets	6.75 kg
046160	STOPPER maxi 22 for distance tubes inner diameter 21.5-23 mm	Bucket of 250 pcs.	1 pallet = 32 buckets	9.25 kg
046163	STOPPER in 26 for distance tubes inner diameter 26 mm	Bucket of 250 pcs.	1 pallet = 32 buckets	10.75 kg
046170	Hand-held cleaning brush Tie points of 17 – 34 mm	1 pc.		0.08 kg per pc.
046171	Mechanical cleaning brush Tie points of 17 – 34 mm for drills or cordless screwdrivers	1 pc.		0.06 kg per pc.
046180	Drive-in aid for STOPPER 22 + 26 mm	1 pc.		0.08 kg per pc.

Art.Gr. 610
STOPPER in 22
- 51 mm -
STOPPER mini 22
- 51 mm -
STOPPER maxi 22
Couical blate - 43 mm - 43 mm - 1 mg br - 1 con con depth of the control of the
STOPPER in 26
i 67 mm
4444

Use a 1500-2000 g hard rubber hammer to drive in the STOPPER.

Product description

- STOPPERs are drive-in plugs which were developed for pressure-tight sealing of fibre cement and plastic distance tubes.
- Highly resistant plastic specially developed for this application
- Temperature range -35°C to +70°C; if the plugs are installed at ambient temperatures below 0°C, they must be stored above freezing point beforehand for a better installation.
- All-weather installation
- Seals immediately after driving in
- Little storage space required





NEW

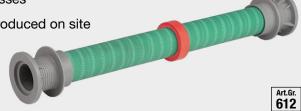
STOPPER distance tube



Pressure water-tight plastic distance tube with cone (Ø 22 mm) on both sides Technical details page 15

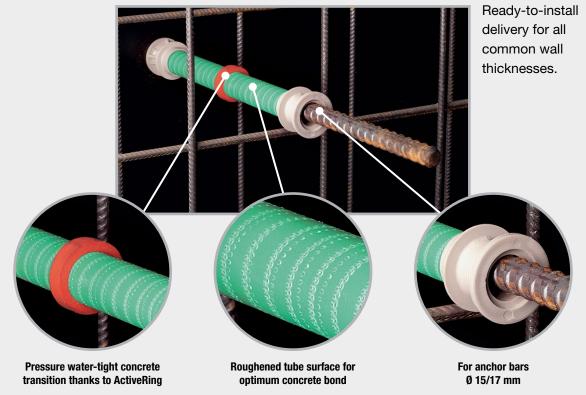
- Pressure water-tight transition to the concrete
- Ready-to-install delivery for all common wall thicknesses
- Special lengths available at short notice or can be produced on site
- Pressure water-tight system sealing for internal closure with:

STOPPER in / mini 30 m water column STOPPER SCREW 70 m water column



Art. no.	Description	PU	Secondary packaging	Weight per 100 pcs.
048200	STOPPER distance tube 22/200 Ø 22 mm, length 200 mm	100 pcs.	1 pallet = 18 bags	5.30 kg
048240	STOPPER distance tube 22/240 Ø 22 mm, length 240 mm	100 pcs.	1 pallet = 16 bags	6.00 kg
048250	STOPPER distance tube 22/250 Ø 22 mm, length 250 mm	100 pcs.	1 pallet = 16 bags	6.00 kg
048300	STOPPER distance tube 22/300 Ø 22 mm, length 300 mm	100 pcs.	1 pallet = 16 bags	6.80 kg
048350	STOPPER distance tube 22/350 Ø 22 mm, length 350 mm	100 pcs.	1 pallet = 14 bags	7.60 kg
048365	STOPPER distance tube 22/365 Ø 22 mm, length 365 mm	100 pcs.	1 pallet = 14 bags	7.70 kg
048400	STOPPER distance tube 22/400 Ø 22 mm, length 400 mm	100 pcs.	1 pallet = 12 bags	8.20 kg

Other lengths are available at short notice.



STOPPER sealing cone

Fibre cement cone for bonding for a visually appealing distance tube closure Technical details page 15

Art.Gr. **610**

Art. no.	 Description	PU	Secondary packaging	Weight per carton	
046200	STOPPER	Carton of	1 pallet =	2.97 kg	
	sealing cone Ø 22 mm	100 pcs.	40 cartons		

RONDO MINI





Sealing collars for waterproofing of plastic or fibre cement distance tubes



Technical details page 16

Art. no.	Туре	 Description	PU	Weight per bag	
090870	RONDO MINI 26 Suitable for 25-27 mm	for plastic distance tubes 22/26 mm Waterstop 2 cm Bearing width 2.7 cm	Bag of 50 pcs. including plastic fastening straps	1.50 kg	
090873	RONDO MINI 40 Suitable for 38-42 mm	for fibre cement distance tubes 22/40 mm Waterstop 2 cm Bearing width 2.7 cm	Bag of 50 pcs. including plastic fastening straps	2.00 kg	

ActiveRing ()





The swelling external high-pressure seal for plastic and fibre cement distance tubes Technical details page 17



Art.Gr. **620**

Art. no.	Description	PU	Secondary packaging	Weight per bag	
047200	ActiveRing mini for outer pipe diameters 25-32 mm e.g. plastic distance tubes 22/26 26/31 26/32	Bag of 250 pcs.	1 pallet = 144 bags	1.75 kg	ActiveRing mini
047250	ActiveRing maxi for outer pipe diameters 38-42 mm e.g. fibre cement distance tubes	Bag of 250 pcs.	1 pallet = 70 bags	2.50 kg	ActiveRing maxi



CORRUGATED BEARING, IMPACT SOUND **INSULATION + CONSTRUCTION BEARING**

Corrugated bearing Technical details page 18

Art.Gr. **641**

Art. no.	Description	PU	Secondary packaging	Weight per roll
060010	Corrugated bearing 10 mm	1 roll = 2 m ²	1 pallet =	15.60 kg
	Size: 10000 x 200 x 10 mm		30 rolls	
	with 3 parting seams			



Impact sound insulation T1 rolls Technical details page 19

Art.Gr. **640**

Art. no.	Description	PU	Secondary packaging	Weight per roll
060240	Impact sound insulation roll T1 Size: 10000 x 100 x 5 mm	1 roll	1 pallet = 110 rolls	4.65 kg
060230	Impact sound insulation roll T1 Size: 10000 x 100 x 10 mm	1 roll	1 pallet = 60 rolls	8.25 kg



Impact sound insulation T1 strips

Art.Gr. **640**

Art. no.	Description		PU	Secondary packaging	Weight per strip
060210	Impact sound insulation strip T1 Size: 1000 x 100 x 10 mm		1 strip	1 pallet = 750 strips	0.89 kg



Impact sound insulation T1 boards

Art.Gr. **640**

Art. no.	 Description	PU	Secondary packaging	Weight per board	
060110	Impact sound insulation board T1 Size: 1000 x 1000 x 10 mm	1 board	1 pallet = 80 boards	9.00 kg	
060113	Impact sound insulation board T1 Size: 1000 x 1000 x 20 mm	1 board	1 pallet = 40 boards	17.50 kg	

Construction bearing R1 roll Technical details page 19

Art.Gr. **642**

Art. no.	 Description	PU	Secondary packaging	Weight per roll
060350	Construction bearing roll R1, Size: 10000 x 50 x 10 mm	1 roll	1 pallet = 80 rolls	6.95 kg



Construction bearing R1 strips

Art.Gr. **642**

Art. no.	Description	PU	Secondary packaging	Weight per strip
060340	Construction bearing strip R1, Size: 1000 x 100 x 5 mm	1 strip	1 pallet = 1500 strips	0.71 kg
060330	Construction bearing strip R1, Size: 1000 x 100 x 10 mm	1 strip	1 pallet = 750 strips	1.55 kg



Construction bearing R1 boards

Art.Gr. **642**

ı	Art. no.	Description	PU	Weight/board	
I	060310	Construction bearing board R1, Size: 1200 x 1000 x 5 mm	1 board	7.50 kg	
ı	060300	Construction bearing board R1, Size: 1200 x 1000 x 10 mm	1 board	15.00 kg	



Tailor-made sizes available at short notice



KLEBO tapes

High-quality adhesive tapes for daily use on construction sites

Art.Gr. **660**

Art. no.	Description	PU	Weight	
044020	KLEBO foam tape 19x6 mm One-sided self-adhesive foam tape Colour: white Roll length: 10 m Tape width: 19 mm Thickness: 6 mm Application: For sealing formwork butt joints against leakage of cement paste sealing against dust, draughts and moisture; Technical data and properties: Open-cell PU foam coated with a strong pressure-sensitive adhe High initial and permanent adhesive strength; Very good ageing the Application temperature: +5 °C to +40 °C Temperature resistance: -5°C to +60°C	sive;	1.20 kg per carton	
044030	KLEBO Duct Tape Premium, 48 mm Colour: silver Roll length: 50 m Tape width: 48 mm Application: Fabric adhesive tape with maximum adhesive strength for demanding bonds on rough and smooth substrates. Technical data and properties: Hand tearable; Moisture resistant; Thickness 0.22 mm; Application temperature: +5 °C to +40 °C Temperature resistance: -10°C to +70°C	1 carton of 24 rolls 1 pallet = 24 cartons	12.10 kg per carton	
044040	KLEBO Duct Tape Standard, 48 mm Colour: silver Roll length: 50 m Tape width: 48 mm Application: Fabric adhesive tape with high adhesive strength for standard bondings on rough and smooth substrates. Technical data and properties: Hand tearable; Moisture resistant; Thickness 0.17 mm; Application temperature: +5 °C to +40 °C Temperature resistance: -10°C to +70°C	1 carton of 24 rolls 1 pallet = 30 cartons	8.90 kg per carton	
044050	KLEBO PVC adhesive tape, smooth, 50 mm Tear-resistant soft PVC adhesive tape Colour: yellow Roll length: 33 m Tape width: 50 mm Application: Formwork tape to prevent cement paste from flowing out; Painter's and plasterer's tape for short-term use; universal application: Technical data and properties: Moisture resistant – water repellent; Thickness 0.15 mm; Application temperature: +5 °C to +40 °C Temperature resistance: -5°C to +60°C	1 carton of 36 rolls 1 pallet = 27 cartons cations;	13.50 kg per carton	
044060	KLEBO PVC adhesive tape, cross-grooved, 50 mm Tear-resistant soft PVC adhesive tape Colour: yellow Roll length: 33 m Tape width: 50 mm Application: Formwork tape to prevent cement paste from flowing out; Painter's and plasterer's tape for short-term use; universal application: Technical data and properties: The cross-grooved surface enables easy tearing by hand; Moisture-resistant — water-repellent; thickness 0.16 mm; Application temperature: +5 °C to +40 °C Temperature resistance: -5°C to +60°C	1 carton of 36 rolls 1 pallet = 27 cartons cations;	12.15 kg per carton	



MURO-Top damp proof course

The barrier against rising damp







MURO-Top damp proof courses

- Made of the highly-resistant material polyolefin
- Protect foundation walls and masonry reliably and permanently against rising damp
- Profiled on both sides
- Resistant to many media
- Installed in a single layer with only 20 cm overlap at joint
- Foils with a thickness of less than 1.2 mm are not suitable for applications requiring a General Building Supervisory Test Certificate

Art. no.	Roll width	Roll length	Roll area	PU	Secondary packaging	Weight per roll
041115	11.5 cm	50 m	5.75 m²	1 roll	Pallet of 500 rolls	approx. 1.50 kg
041150	15.0 cm	50 m	7.50 m²	1 roll	Pallet of 400 rolls	approx. 2.25 kg
041175	17.5 cm	50 m	8.75 m²	1 roll	Pallet of 350 rolls	approx. 2.35 kg
041200	20.0 cm	50 m	10.00 m²	1 roll	Pallet of 300 rolls	approx. 2.55 kg
041240	24.0 cm	50 m	12.00 m²	1 roll	Pallet of 240 rolls	approx. 3.05 kg
041250	25.0 cm	50 m	12.50 m²	1 roll	Pallet of 240 rolls	approx. 3.70 kg
041300	30.0 cm	50 m	15.00 m²	1 roll	Pallet of 200 rolls	approx. 4.15 kg
041365	36.5 cm	50 m	18.25 m²	1 roll	Pallet of 160 rolls	approx. 4.85 kg
041425	42.5 cm	50 m	21.25 m²	1 roll	Pallet of 150 rolls	approx. 5.85 kg
041500	50.0 cm	50 m	25.00 m²	1 roll	Pallet of 120 rolls	approx. 6.30 kg
041750	75.0 cm	50 m	37.50 m²	1 roll	Pallet of 100 rolls	approx. 10.30 kg
041000	100.0 cm	50 m	50.00 m²	1 roll	Pallet of 80 rolls	approx. 13.85 kg

Technical data

Material: Polyolefin, roughly textured on both sides

Thickness: 0.3 mm, 0.35 mm including profile

Weight: Approx. 280 g/m² Temperature range: -30° C to $+60^{\circ}$ C

Resistance: Water-impermeable Alkali-resistant

■ Compatible with bitumen
■ Rot-proof

Petrol-resistant Diesel-resistant

■ Ground water-resistant
■ Ground water-neutral

-CACTIVE

STOPPER SCREW (1)











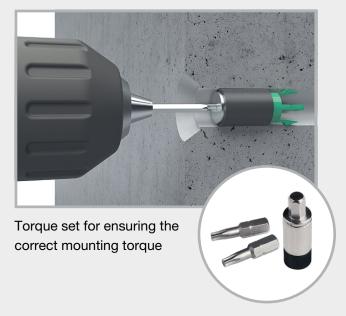
Screwed sealing of formwork tie points maximum safety with superb appearance

- Pressure water-tight, soundproof and radon-tight
- Fire resistance class El 240
- For fibre cement and plastic distance tubes
- For conical anchor holes
- Little storage space required
- All-weather installation



Installation

Insert - Tighten - Tight



Appearance

Type "in"











Seal for distance tubes with lip seal (above) or with cone (below).

Water pressure test





Type of formwork tie point	STOPPER SCREW Type "in" Water column	STOPPER SCREW Type "covered" Water column
Distance tube Ø 22 mm Plastic/fibre cement	70 m	70 m
Distance tube Ø 26 mm Plastic	40 m	40 m
Distance tube Ø 27 mm Fibre cement	40 m	40 m
Distance tube Ø 32 mm Plastic	40 m	40 m
Conical anchor holes	50 m	50 m

STOPPER (2)









Inner seals for plastic and fibre cement distance tubes

Installation of STOPPER in



The STOPPER in is pushed into the distance tube.



The STOPPER in is driven in with a 1500-2000 g hard rubber mallet.



Flush seal for distance tubes with lip seal.



Flush seal for distance tubes with cone.



The STOPPER in can be inserted to any depth.



After inserting the STOPPER in, a cone can be glued in.

Installation of STOPPER mini



drive in the Position and STOPPER mini



Sealing of distance tube with



Sealing of distance tube with cone

Installation of STOPPER maxi



Push the STOPPER maxi into the distance tube



Drive in with rubber mallet



Pressure-tight and flush seal

STOPPER tests











Tube type	STOPPER maxi 22 Water column	STOPPER mini 22 Water column	STOPPER in 22 Water column	STOPPER in 26 Water column
Plastic distance tube inner diameter approx. 21.5-23 mm	50 m	50 m	30 m	-
Fibre cement distance tube inner diameter approx. 22 mm, round	40 m	40 m	20 m	-
Steel distance tube inner diameter approx. 22.45 mm, round	40 m	40 m	20 m	-
Steel distance tube inner diameter approx. 23 mm, round	30 m	30 m	20 m	-
Plastic distance tube inner diameter 26 mm	-	-	-	50 m

Fire



- Fire resistance class El 120 to DIN EN 13501-2 (STOPPER mini/STOPPER maxi)
 Room closure test with fibre cement distance tubes
 For the duration of the test (120 minutes), no cracks or gaps developed on the room side.
 During this time, no flames were visible on the side facing away from the fire.
- Fire resistance class El 240 (STOPPER in 22 / STOPPER in 26)
- Construction material class DIN EN 13501-1 E = normally flammable DIN 4102-1 B2 = normally flammable

Resistance



As well as undergoing a comprehensive slurry/liquid manure/silage effluent test, the plastic is also resistant to several media:

- Slurry
- Liquid manure
- Silage effluent

Depending on the concentration (Please consult our team)

- Fermentation mash
- Radon + methane gas
- UV radiation
- Diluted acids + alkalis
- Ozone
- Bitumen
- Oils

Sound insulation



Standard sound level differential - test

MFPA test according to DIN EN ISO 10140-2

A distance tube installed in concrete and sealed at both ends with the STOPPER achieves exactly the same standard sound level as monolithic concrete with the same component thickness.

STOPPER distance tube





After stripping the formwork, the ActiveRing sits centrally in the concrete part. The ActiveRing seals the transition between the STOPPER distance tube and the concrete securely and permanently.



Sealing options for the STOPPER distance tube



Pressurised water test up to 30 m water column



Pressurised water test up to 70 m water column

STOPPER sealing cone

Fibre cement cone for bonding for a visually appealing distance tube closure



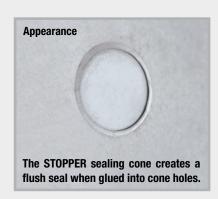
- For distance tubes Ø 22 mm
- Cone height 8 mm
- Building material class A1non-combustible

Concrete adhesive for gluing into the cone holes can be found in product group 3 on page 94 in our full catalogue. The single-component PROTECT Easy 1K and the two-component PROTECT BK 2K have been

Colour: cement grey

Bonding options

PROTECT Easy 1K (Art. no. 040030)





PROTECT BK 2K (Art. no. 040100)

specifically developed for this application.

RONDO MINI





Sealing collars for waterproofing of plastic or fibre cement distance tubes

Art.Gr. **630**

RONDO MINI sealing collars can be mounted onto plastic or fibre cement distance tubes quickly and easily at the construction site.

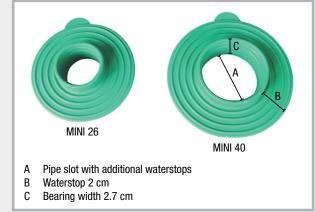
- Pressure test performed by MFPA Leipzig
- Easy and safe installation
- Good chemical resistance
- Very cost-effective
- Push on, fasten and tight

Resistance

- Diluted acids + alkalis
- Liquid manure + slurry
- Fermentation mash
- Oils and bitumen
- Radon + methane gas







Product description

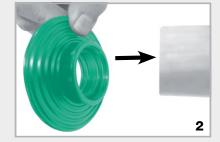
Material: TPE polymer compound

Installation: Temperature range -35°C to +70°C

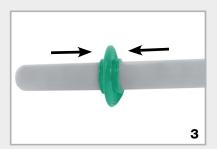
Quick and easy installation



Fibre cement distance tube, RONDO MINI, 2 fastening straps



Slide the RONDO MINI onto the distance tube



Position RONDO MINI in the centre before fastening



Tighten both fastening straps by hand



The fastening straps can also be tightened using pliers



RONDO MINI installation complete

ActiveRing (a) (b)



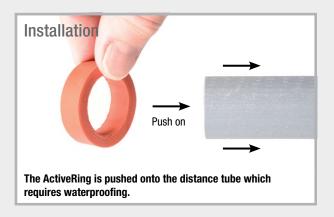


The swelling external high-pressure seal for plastic and fibre cement distance tubes

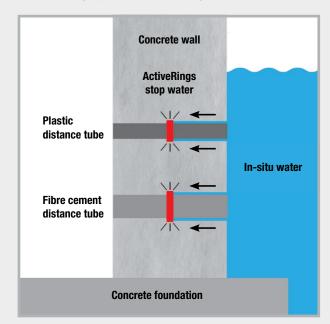
Art.Gr. **620**

The ActiveRings mini and maxi are made of a highly swellable TPE mixture. When the rings come into contact with water, they activate, swell up and reliably stop the flow of water.

- Pressure test performed by MFPA Leipzig
- Easy and safe installation
- Good chemical resistance
- Very cost-effective
- Push on and seal



ActiveRings provide security



This is how ActiveRings work: When the rings come into contact with water, they activate, swell up and the resultant swell pressure stops the flow of water and provides a reliable seal. The seal remains permanently active when in contact with water.





Resistance

- Diluted acids and alkalis
- Salt water
- Methane gas + radon
- Liquid manure + slurry
- Fermentation mash + biogas
- Concrete alkalinity
- Liquid aggressive to concrete



At the construction site

Corrugated bearing





Product description

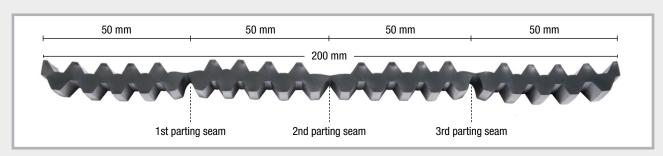
Material: The corrugated bearing is a profiled

bearing based on EPDM.

Application: For bearing of stairs and slabs

Bearing of prefabricated elements





Description: Rolls

Testing: Load test up to 5 N/mm²

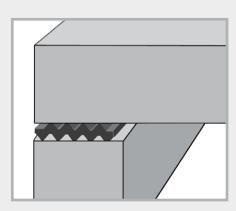
Impact sound

reduction up to 20 dB

Temperature resistance: -40°C to +90°C

Elongation at break: >300%

Environmental aspects: UV-resistant, halogen-free



Corrugated bearing between two constructional elements

Application



Corrugated bearing



The corrugated bearing can be cut with a cutter. Cut into the parting seam, the corrugated bearing can then be processed.



Over a width of 20 cm the corrugated bearing has 3 parting seams. This enables bearing widths of 5, 10, 15 and 20 cm.

Impact sound insulation T1





Product description

Material: The impact sound insulation bearing T1

is made of fine mixed elastomer fibres

bonded with PUR.

As bearing for stairs and slabs Application:

Description: Rolls, strips and boards

Testing: Load test for thickness 10 mm

up to 5 N/mm²

Impact sound

reduction up to 19 dB

Temperature

resistance: -40°C to +90°C

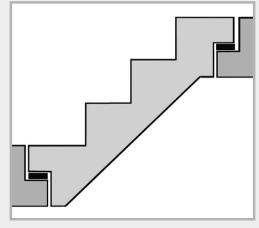
Elongation at break: >70%

Reaction to fire: Class E

Environmental

aspects: **UV-resistant**





Impact sound insulation T1, e.g. for bearing of staircases

Construction bearing R1

Product description

Material: NR-SBR copolymer

Application: Separation of 2 construction elements

Bearing of staircases

Levelling out of unevenness

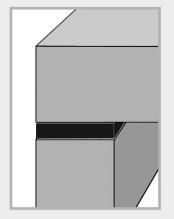
Description: Strips, boards + rolls

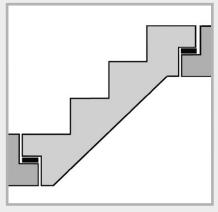
Temperature

resistance: -25°C to +70°C

Elongation at break: >200%









SEALING OF FORMWORK TIE POINTS

CORRUGATED BEARINGS

IMPACT SOUND INSULATION/BEARINGS

ADHESIVE TAPES

DAMP PROOF COURSES



BALLYKILLDUFF, TOBINSTOWN, TULLOW, CO. CARLOW +353 83 096 4453 INFO@ACSI.IE