
MDT-tex

Classic Line

TELE-LIGHT UMBRELLA TYPE G15

TELESCOPIC UMBRELLA TYPE T

TELESCOPIC UMBRELLA TYPE TS

TELESCOPIC UMBRELLA TYPE TK

SIDE-ARM UMBRELLA TYPE SA

MDT-tex[®]

Membranes & Structures

www.mdt-tex.com



COMPANY

- PRODUCTS
- TYPE G15
- TYPE T
- TYPE TS
- TYPE TK
- TYPE SA

ANCORING

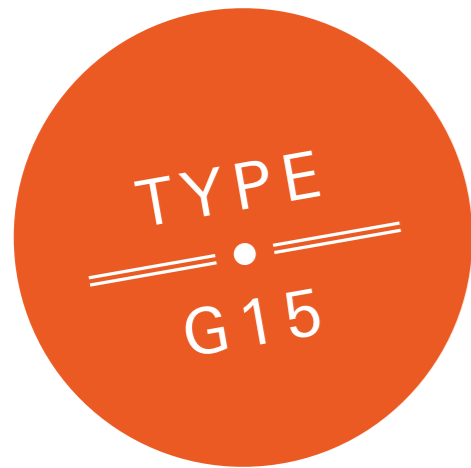
FABRIC

CONTACT DETAILS



As a medium-sized company based in Tägerwilen in Switzerland and Hardheim in Baden-Württemberg, Germany, we help create attractive outdoor living spaces with our high-quality sun-protection systems. For over 20 years, our in-house development and production has provided the foundation for our operations around the world. Over 20,000 square meters of production and storage space enable us to react to our customers' wishes with flexibility.

Our name, Membran-Design-Technik (membrane design technology), also illustrates our agenda: we use our considerable technical expertise to realize high-quality and sophisticated design. Our unique products are highly appreciated around the world for their form and function. People enjoy the free spaces that we open up far beyond our umbrellas: textile outdoor architecture.



NEW FULL ALUMINUM UMBRELLA

- Pole \varnothing 60 mm
- Strut size: 30x20x2 mm
- Wind-stable up to 25 mph
- Telescopic full aluminum umbrella
- Single handle tension system for opening and closing
- Water and corrosion resistant materials
- Telescopic pole for opening and closing the umbrella
- Tension system fully integrated into the mast
- Internal cable ducts

Sizes
3x3m / 3x4m / 4x4m

\varnothing 3m / \varnothing 4m

MOBILE FULL ALUMINUM TELE-LIGHT UMBRELLA TYPE G15



TELE-LIGHT UMBRELLA

Designed for mobile implementation at events or seasonal occasions, special full aluminum construction means that this umbrella has its minimum weight paired with maximum resilience. This umbrella's special aluminum construction makes it extremely light and highly resilient. The aluminum handle locks itself in place, allowing the umbrella to be quickly and easily opened and closed. A special carrying bag makes swift relocation particularly easy. The recently developed column profile guarantees maximum umbrella stability and provides enough space for cables to be installed at a later date.

MOBILE TELE-LIGHT UMBRELLA FULL ALUMINUM TYPE G15



TYPE G
TELE-LIGHT
UMBRELLA

FRAME

Rectangular umbrella struts made of aluminum, 30x20x2 mm, aluminum mast measuring 60x2 mm in diameter, aluminum telescope with dimensions of 30x30x2 mm, aluminum crown, screwed together parts, powder-coated frame (poly-ester powder ca. 80µ).

- White RAL 9010
- other RAL colors on request

MECHANICS

Umbrella tension mechanism operated by aluminum handle that controls a tension balance system.

COVER

MDT-tex® 260 FR
(100% polyester dual-sided acrylate coating).
Weight ca. 260 g/m², water column pressure over 700 mm, flame retardant according to California T19. CERF Categoria 1, DIN 4102: B1

MDT-tex® 300
(100% acrylic fabric).
Weight ca. 300 g/m², water column pressure over 350 mm



Round



Square



Top



Alu-Hub



Handle

ANCHORINGS



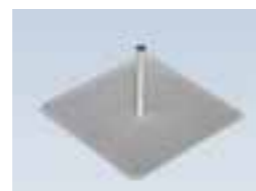
Cross base



Frame base



Ground tube



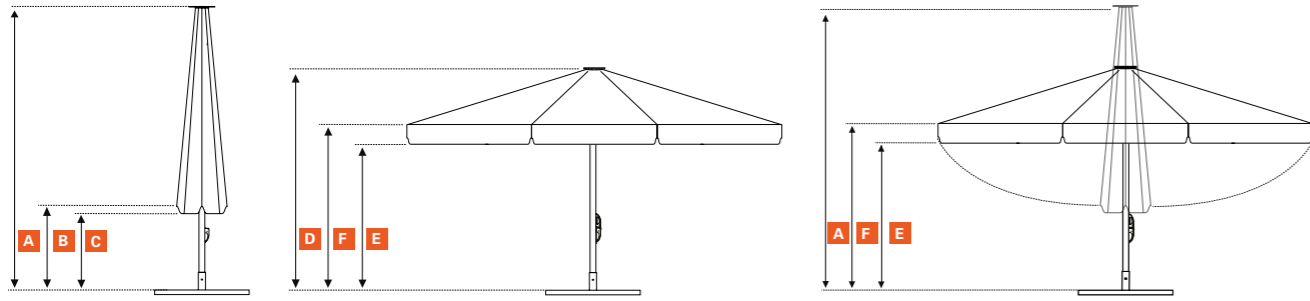
Steel plate stand

ACCESSORIES



Protection sleeve with telescopic rod

TYPE G15 - WIND-PROOF UP TO 40 KM/H



POLE Ø 60 MM
DIMENSIONS ARE IN METERS
*all measurements are rounded

MASS

	Ø 60	Ø 60	Ø 60	Ø 60	Ø 60
Umbrella with packaging (kg)	26,2	29,3	32	18,3	25
Umbrella without packaging (kg)	23,2	26,3	29	16	22
Frame (kg)	20	22	24	12,5	18
Cover (kg)	3,2	4,3	5	3,5	4

CLOSED UMBRELLA

	Ø 60	Ø 60	Ø 60	Ø 60	Ø 60
A Closed height (cm)	320	375	413	340	345
B Distance from volances to ground (cm)	103	93	96	131	117
C Distance from spokes to ground (cm)	108	120	128	158	144

OPENED UMBRELLA

	Ø 60	Ø 60	Ø 60	Ø 60	Ø 60
D Opened height (cm)	269	303	311	270	285
E Distance from volances to ground (cm)	193	188	216	198	208
F Distance from spokes to ground (cm)	207	215	239	225	241

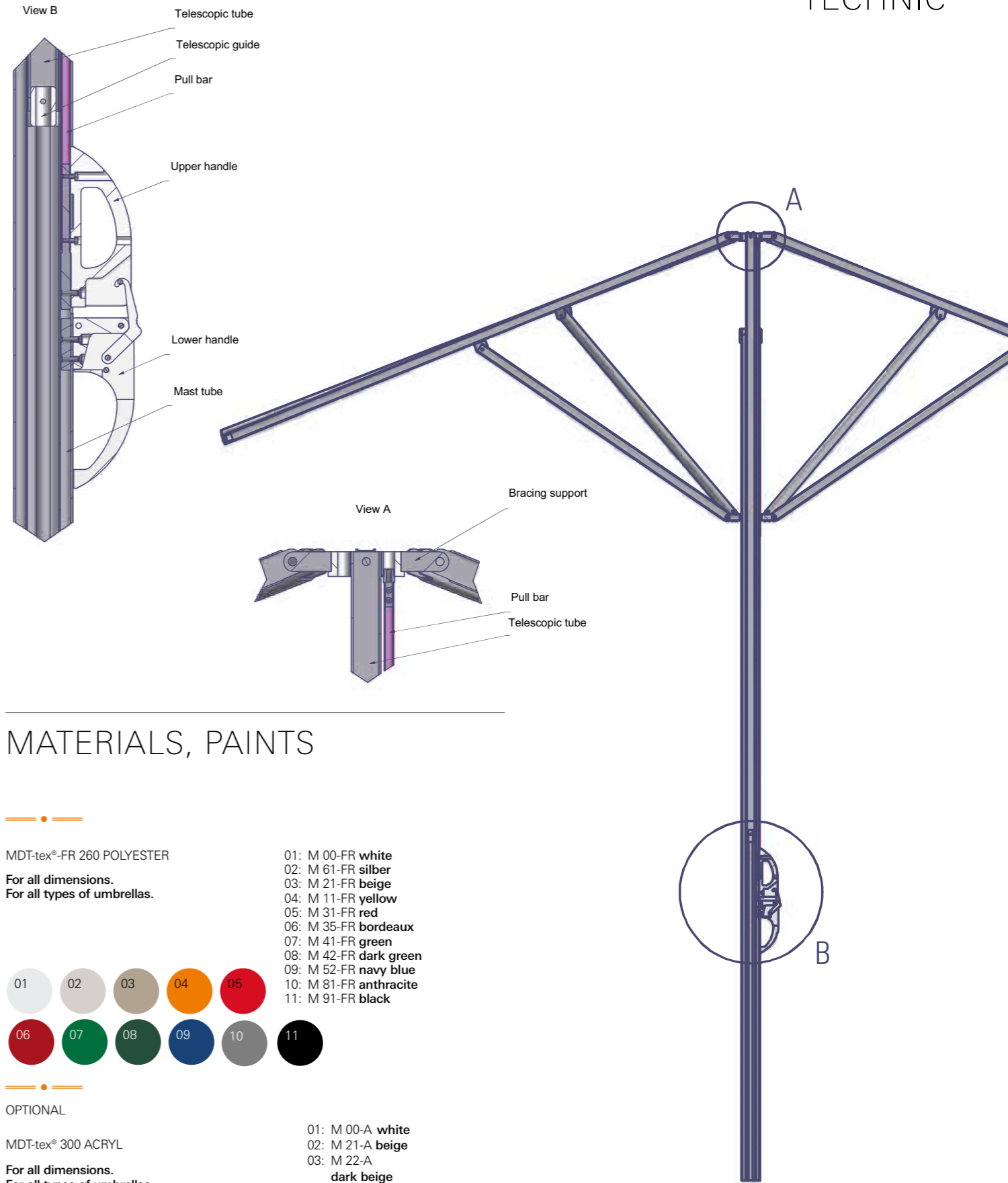
PACKAGING DIMENSIONS

	Ø 60	Ø 60	Ø 60	Ø 60	Ø 60
Total length (cm)	320	375	413	340	345
Dimensions of carboard packaging (cm)	25x25x250	25x25x270	30x30x290	25x25x250	25x25x250
Length of mast extruding from box (cm)	70	105	123	90	95

ACCESSORIES

	Type 060	Type 060	Type 060	Type 060	Type 060
Adapter Article No.	Type 060 00338	Type 060 00338	Type 060 00338	Type 060 00338	Type 060 00338
Cross base Article No.	Type 060/505 00340	Type 060/505 00340	-	Type 060 00340	Type 060 00340
Frame base Article No.	Type 060/505 00364	Type 060/505 00364	Type 060/505 00364	Type 060/505 00364	Type 060/505 00364
Steel plate base Article No.	Type 060/120 04924-D	Type 060/120 04924-D	Type 060/120 04924-D	Type 060/120 04924-D	Type 060/120 04924-D
Inground tube Article No.	Type 060 00956	Type 060 00956	Type 060 00956	Type 060 00956	Type 060 00956
Protective sleeve size Article No.	S 01687	S 01687	M 00962	XS 01352	S 01687

all dimensions + weights given are approximate

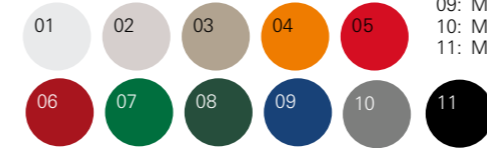


MATERIALS, PAINTS

MDT-tex®-FR 260 POLYESTER

For all dimensions.
For all types of umbrellas.

- 01: M 00-FR white
- 02: M 61-FR silver
- 03: M 21-FR beige
- 04: M 11-FR yellow
- 05: M 31-FR red
- 06: M 35-FR bordeaux
- 07: M 41-FR green
- 08: M 42-FR dark green
- 09: M 52-FR navy blue
- 10: M 81-FR anthracite
- 11: M 91-FR black

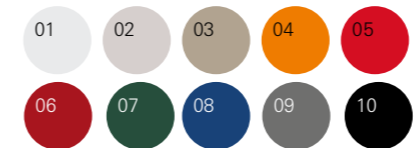


OPTIONAL

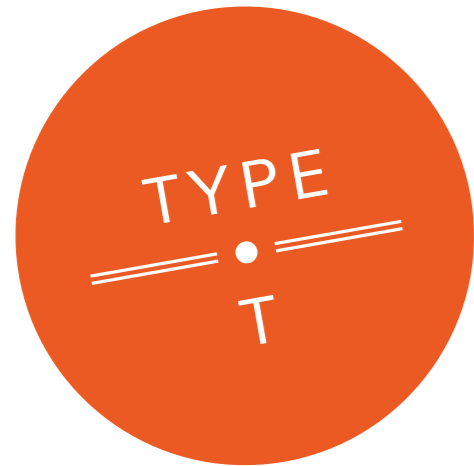
MDT-tex® 300 ACRYL

For all dimensions.
For all types of umbrellas.

- 01: M 00-A white
- 02: M 21-A beige
- 03: M 22-A dark beige
- 04: M 11-A yellow
- 05: M 31-A red
- 06: M 35-A bordeaux
- 07: M 42-A dark green
- 08: M 52-A navy blue
- 09: M 81-A anthracite
- 10: M 91-A black



Single handle tension system for opening and closing



- Pole ø 80- 100 mm
- Windstabil bis Wind-proof up to 60 km/h, provided proper anchoring exists
- Telescopic full aluminum umbrella
- Opening and closing by hand crank optional electric drive or cordless screwdriver
- Water and corrosion resistant materials
- Easy exchangeable parts attached by screws

Sizes
4x4m / 5x5m / 6x6m / 4x5m / Ø 5m / Ø 6m
up to
16x16 m



TELESCOPIC UMBRELLA

The telescopic umbrella is one of the most important umbrellas in the entire MDT collection. Its streamlined expansion system is made possible via an elegant design which has been constructed from solid aluminum. Functionality has been enhanced to the max thanks to certain materials used, making spans of up to 52 feet possible. Larger models even come equipped with an electrical motor instead of just a hand crank. When combined with proper rain drainage systems, several telescopic umbrellas can be quickly and freely arranged in groups to provide extensive overhead coverage outside. In contrast to permanent roofing fixtures, the telescopic umbrella not only provides maximum protection from the sun and rain but can also be enjoyed in many different seasons outside, making the Type T umbrella a highly desired commercial product.



TELESCOPIC UMBRELLA TYPE T

TYPE T TELESCOPE UMBRELLA



FRAME

Rectangular umbrella struts made of aluminum, 40x20x2 -- 60x30x3 mm, center pole with wounded aluminum profile, ø80x3--150x5 mm, aluminum telescope 45x45x3 / 60x60x4mm, U profile for attaching spokes, powder-coated frame (polyester powder ca. 80µ)

- White RAL 9010
- Anthracite DB 703
- other RAL colors on request

MECHANICS

Gearbox and spindle stored in center pole, umbrella opened/closed with hand crank or electric motor.

COVER

MDT-tex® 260 FR
(100% polyester dual-sided acrylate coating).
Weight ca. 260 g/m², water column pressure over 700 mm, flame retardant according to California T19. CERF Categoria 1, DIN 4102: B1

MDT-tex® 300
(100% acrylic fabric).
Weight ca. 300 g/m², water column pressure over 350 mm

Preconstraint fabric
(100% polyester fabric, both sides with high gloss finish)
PVC coating, mass ca. 480 g/m²



Round Square Top Struts Crank



LED Lighting Heating Sound Electrical opening system

ANCHORINGS



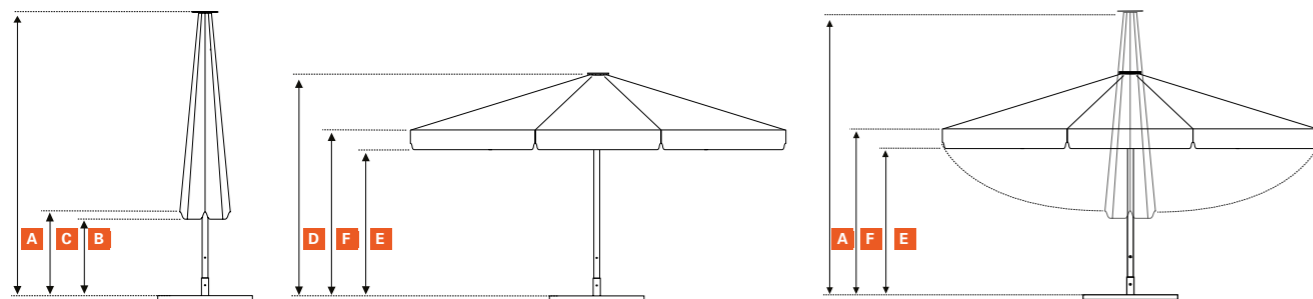
Frame base Ground tube Ground tube foldable Steel plate stand Concrete plate

ACCESSORIES



Protection sleeve Rain gutter Textile sidewalls High / half-high sidewalls

TYPE T - STANDARD WIND-PROOF UP TO 60 KM/H

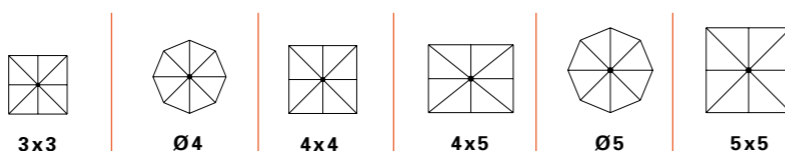


POLE \varnothing 80 - 100 MM

\varnothing 80 \varnothing 80 \varnothing 80 \varnothing 80 \varnothing 80 \varnothing 80

DIMENSIONS ARE IN METERS

*all measurements are rounded



MASS

Umbrella with packaging (kg)	40	41,6	62	71	68	72
Umbrella without packaging (kg)	35	36,6	55	63	60	63
Frame (kg)	32	33	50	57	55	55
Cover (kg)	3	3,6	5	6	5	8

CLOSED UMBRELLA

A Closed height (cm)	340	391	420	425	405	445
B Distance from volances to ground (cm)	162	162	105	80	125	60
C Distance from spokes to ground (cm)	190	192	135	110	155	90

OPEN UMBRELLA

D Opened height (cm)	297	296	315	320	310	323
E Distance from volances to ground (cm)	210	210	210	210	210	210
F Distance from spokes to ground (cm)	238	239	240	240	240	240

PACKAGING DIMENSIONS

Total length (cm)	340	391	420	425	405	445
Dimensions of cardboard packaging (cm)	40x40x300	40x40x300	40x40x360	40x40x360	40x40x360	40x40x360
Length of mast extruding from box (cm)	40	91	60	65	45	85

ACCESSORIES

Adapter Article No.	Type 080 00336	Type 080 00336	Type 080 00336	Type 080 00336	Type 080 00336	Type 080 00336
Foldable adapter Article No.	Type 080 00334	Type 080 00334	Type 080 00334	Type 080 00334	Type 080 00334	Type 080 00334
Frame base Article No.	Type 080/508 00363	Type 080/508 00363	Type 080/508 00363	Type 080/508 00363	Type 080/508 00363	Type 080/508 00363
Inground tube with adapter Article No.	Type 080 00330	Type 080 00330	Type 080 00330	Type 080 00330	Type 080 00330	Type 080 00330
Inground tube with foldable adapter Article No.	Type 080 00966	Type 080 00966	Type 080 00966	Type 080 00966	Type 080 00966	Type 080 00966
Protective sleeve size Article No.	S 01687	M 00962	M 00962	L 00961	M 00962	L 00961

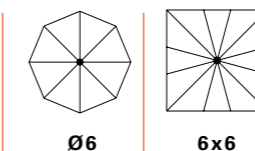
all dimensions + weights given are approximate

POLE \varnothing 80 - 100 MM

\varnothing 100 \varnothing 100

DIMENSIONS ARE IN METERS

*all measurements are rounded



MASS

Umbrella with packaging (kg)	89	135
Umbrella without packaging (kg)	81	121
Frame (kg)	75	110
Cover (kg)	6	11

CLOSED UMBRELLA

A Closed height (cm)	450	490
B Distance from volances to ground (cm)	117	35
C Distance from spokes to ground (cm)	147	65

OPEN UMBRELLA

D Opened height (cm)	340	375
E Distance from volances to ground (cm)	230	230
F Distance from spokes to ground (cm)	260	260

PACKAGING DIMENSIONS

Total length (cm)	452	490
Dimensions of cardboard packaging (cm)	40x40x360	40x40x430
Length of mast extruding from box (cm)	92	60

ACCESSORIES

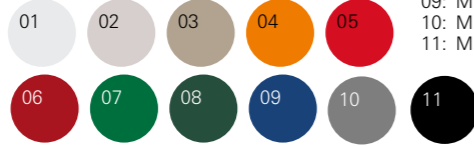
Adapter Article No.	-	-
Foldable adapter Article No.	Type 100 01951-D	Type 100 01951-D
Frame base Article No.	Type 100/516 02201-D	-
Inground tube with adapter Article No.	-	-
Inground tube with foldable adapter Article No.	Type 100 02714-D	Type 100 02714-D
Protective sleeve size Article No.	XL 06673	XL 06673

all dimensions + weights given are approximate



MDT-tex®-FR 260 POLYESTER

For all dimensions.
For all types of umbrellas.



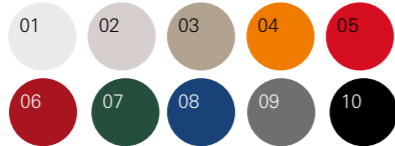
- 01: M 00-FR white
- 02: M 61-FR silver
- 03: M 21-FR beige
- 04: M 11-FR yellow
- 05: M 31-FR red
- 06: M 35-FR bordeaux
- 07: M 41-FR green
- 08: M 42-FR dark green
- 09: M 52-FR navy blue
- 10: M 81-FR anthracite
- 11: M 91-FR black



OPTIONAL

MDT-tex® 300 ACRYL

For all dimensions.
For all types of umbrellas.



- 01: M 00-A white
- 02: M 21-A beige
- 03: M 22-A dark beige
- 04: M 11-A yellow
- 05: M 31-A red
- 06: M 35-A bordeaux
- 07: M 42-A dark green
- 08: M 52-A navy blue
- 09: M 81-A anthracite
- 10: M 91-A black



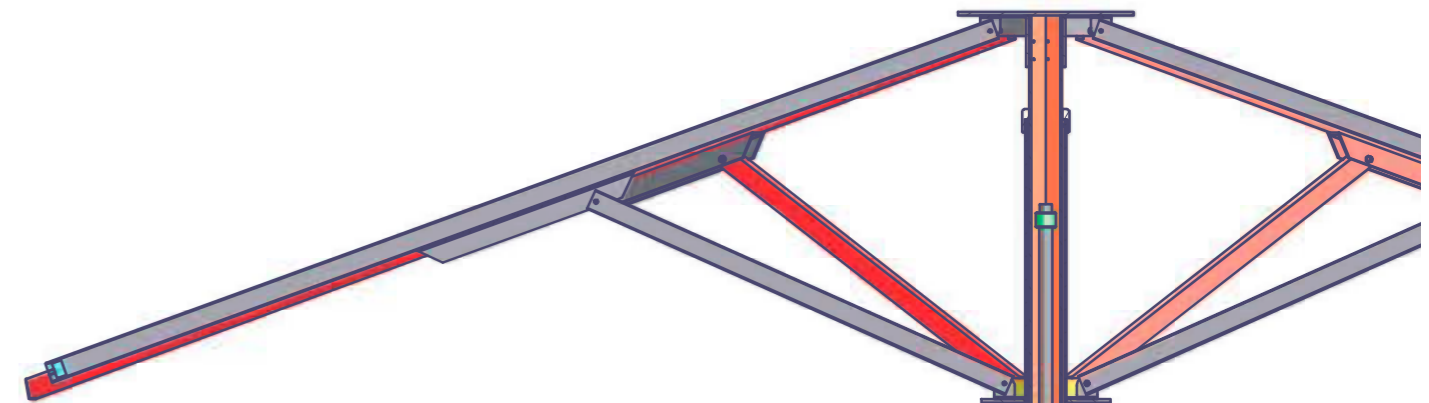
Precontraint 480 Polyester

For all dimensions.
For all types of umbrellas.

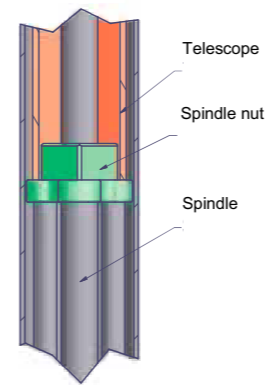


- 01: M 00-P white

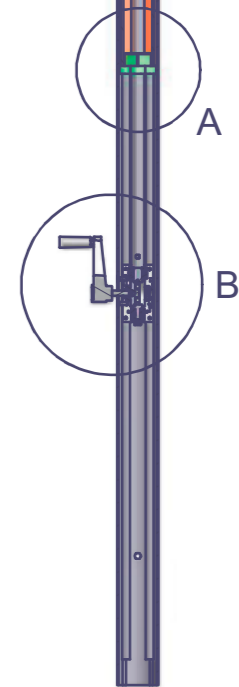
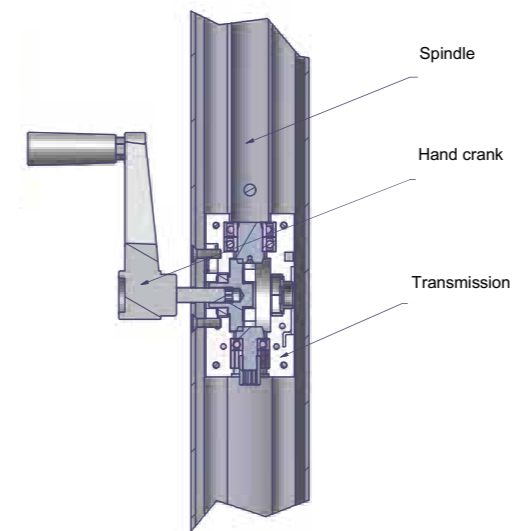
Special colours on request.



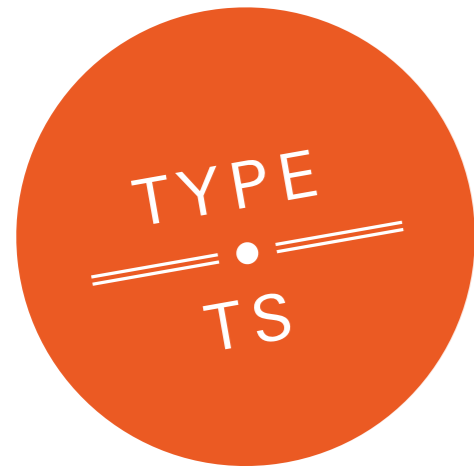
View A



View B



Easy opening and closing
with hand crank



NEW
STRONGER MAST 100-150 MM

- Pole \varnothing 100-150 mm
- Windstabil bis Wind-proof up to 80 km/h, provided proper anchoring exists
- Telescopic full aluminum umbrella
- Opening and closing by hand crank optional electric drive or cordless screwdriver
- Water and corrosion resistant materials
- Easy exchangeable parts attached by screws

Sizes

4x4m / 5x5m / 6x6m / 7x7m

4x5m / 4x6m / 5x6m

\varnothing 5m / \varnothing 6m / \varnothing 7m / \varnothing 8m

up to

16x16 m



MOVIE "THE DOCK"



TELESCOPIC UMBRELLA
STORM-PROOF

The telescopic umbrella in the storm-resistant version which offers a special stability in wind-affected areas, such as in the mountains or the sea, which can withstand wind speeds of up to 80 km/h. Versions up to 100 km/h are possible. In this variant, all critical parts such as mast and struts are reinforced or replaced by stainless steel components. With matching rain gutter systems, several telescopic umbrellas can be flexibly formed into a combined roofing. Therefore, the TS model is one of the most popular umbrella types for gastronomy and industry.



TELESCOPIC UMBRELLA - WIND-PROOF TYPE TS



FRAME

Rectangular umbrella struts made of aluminum, 40x20x2 mm - 60x30x3 mm, center pole with wounded aluminum profile, ø80x3-150x5 mm, aluminum telescope 45x45x3 / 60x60x4 mm / ø80-100x5 mm, U profile for attaching spokes, powder-coated frame (polyester powder ca. 80µ)

- White RAL 9010
- other RAL colors on request

MECHANICS

Gearbox and spindle stored in center pole, umbrella opened/closed with hand crank or electric motor.

COVER

MDT-tex® 260 FR
(100% polyester dual-sided acrylate coating).

Weight ca. 260 g/m², water column pressure over 700 mm, flame retardant according to California T19. CERF Categoria 1, DIN 4102: B1

MDT-tex® 300
(100% acrylic fabric).

Weight ca. 300 g/m², water column pressure over 350 mm

Preconstraint fabric
(100% polyester fabric, both sides with high gloss finish)

PVC coating, mass ca. 480 g/m²



MOVIE
"ODYSSEA"



Round



Square



Top



Struts



Crank



LED Lighting



Heating



Sound



Electrical opening system

ANCHORINGS



Ground tube foldable

ACCESSORIES



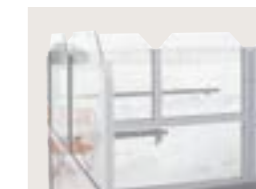
Protection sleeve



Rain gutter



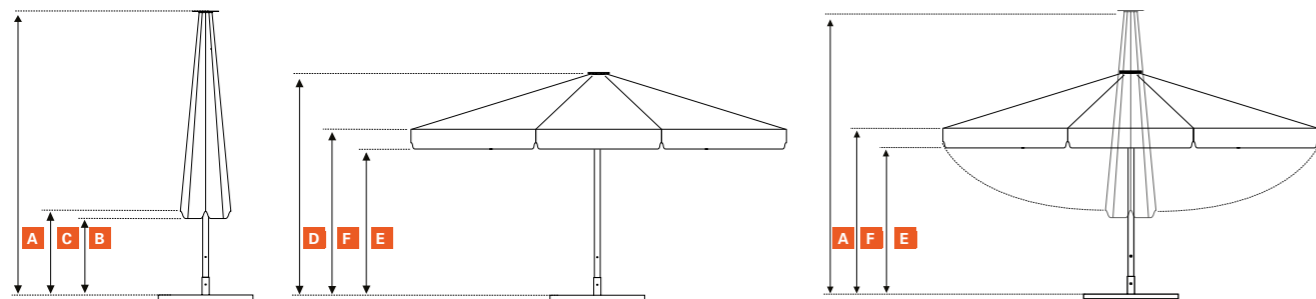
Textile sidewalls



High / half-high sidewalls

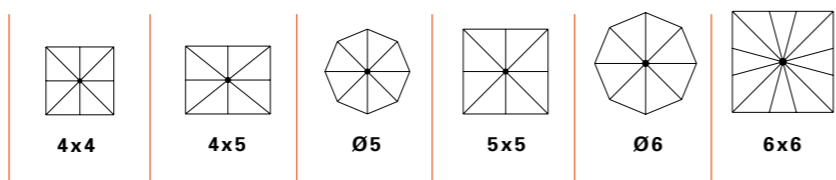
STANDARD SIZES

TYPE TS - REINFORCED VERSION WIND-PROOF UP TO 80 KM/H



POLE ø 100 - 150 MM ø 100 ø 100 ø 100 ø 100 ø 150 ø 150

DIMENSIONS ARE IN METERS
*all measurements are rounded



MASS	4x4	4x5	Ø5	5x5	Ø6	6x6
Umbrella with packaging (kg)	75	86	88	97	109	151
Umbrella without packaging (kg)	67	78	80	88	101	141
Frame (kg)	62	72	75	80	95	130
Cover (kg)	5	6	5	8	6	11

CLOSED UMBRELLA

A Closed height (cm)	420	425	405	445	450	490
B Distance from valances to ground (cm)	105	80	125	60	117	35
C Distance from spokes to ground (cm)	135	110	155	90	147	65

OPEN UMBRELLA

D Opened height (cm)	315	320	310	323	340	375
E Distance from valances to ground (cm)	210	210	210	210	230	230
F Distance from spokes to ground (cm)	240	240	240	240	260	260

PACKAGING DIMENSIONS

Total length (cm)	420	425	405	445	452	490
Dimensions of carboard packaging (cm)	40x40x360	40x40x360	40x40x360	40x40x360	40x40x360	40x40x430
Length of mast extruding from box (cm)	60	65	45	85	92	60

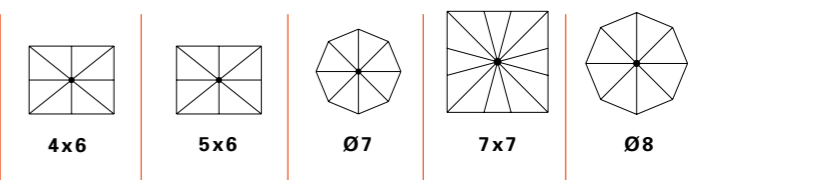
ACCESSORIES

Foldable adapter Article No.	Type 100 01951-D	Type 100 01951-D	Type 100 01951-D	Type 100 01951-D	Type 150 ZB00.429	Type 150 ZB00.429
Inground tube with foldable adapter Article No.	Type 100 02714-D	Type 100 02714-D	Type 100 02714-D	Type 100 02714-D	Type 150 03363-D	Type 150 03363-D
Protective sleeve size Article No.	M 00962	L 00961	M 00962	L 00961	XL 06673	XL 06673

all dimensions + weights given are approximate

POLE ø 100 - 150 MM ø 150 ø 150 ø 150 ø 150 ø 150

DIMENSIONS ARE IN METERS
*all measurements are rounded



MASS	4x6	5x6	Ø7	7x7	Ø8
Umbrella with packaging (kg)	118,2	125	184,5	262	270
Umbrella without packaging (kg)	108,2	115	174,5	252,7	259
Frame (kg)	101	106	163	238	244
Cover (kg)	7,2	9	11,5	14,7	15

CLOSED UMBRELLA

A Closed height (cm)	475	490	557	558	528
B Distance from valances to ground (cm)	84	75	164	30	98
C Distance from spokes to ground (cm)	114	105	194	62	127

OPEN UMBRELLA

D Opened height (cm)	364	354	401	396	370
E Distance from valances to ground (cm)	230	229	229	231	230
F Distance from spokes to ground (cm)	260	259	259	261	260

PACKAGING DIMENSIONS

Total length (cm)	475	490	557	558	528
Dimensions of carboard packaging (cm)	40x40x430	40x40x430	40x40x430	40x40x430	40x40x430
Length of mast extruding from box (cm)	45	60	127	128	99

ACCESSORIES

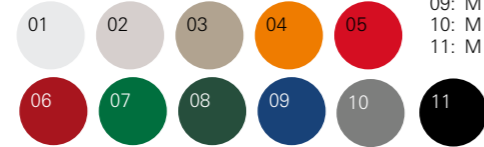
Foldable adapter Article No.	Type 150 ZB00.429	Type 150 ZB00.429	Type 150 ZB00.429	Type 150 ZB00.429	Type 150 ZB00.429
Inground tube with foldable adapter Article No.	Type 150 03363-D	Type 150 03363-D	Type 150 03363-D	Type 150 03363-D	Type 150 03363-D
Protective sleeve size Article No.	XL 06673	XL 06673	XL 06673	XL 06673	XL 06673

all dimensions + weights given are approximate



MDT-tex®-FR 260 POLYESTER

For all dimensions.
For all types of umbrellas.

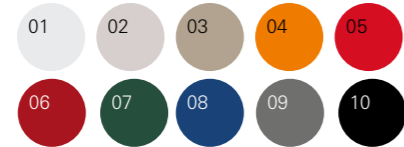


- 01: M 00-FR white
- 02: M 61-FR silver
- 03: M 21-FR beige
- 04: M 11-FR yellow
- 05: M 31-FR red
- 06: M 35-FR bordeaux
- 07: M 41-FR green
- 08: M 42-FR dark green
- 09: M 52-FR navy blue
- 10: M 81-FR anthracite
- 11: M 91-FR black

OPTIONAL

MDT-tex® 300 ACRYL

For all dimensions.
For all types of umbrellas.



- 01: M 00-A white
- 02: M 21-A beige
- 03: M 22-A dark beige
- 04: M 11-A yellow
- 05: M 31-A red
- 06: M 35-A bordeaux
- 07: M 42-A dark green
- 08: M 52-A navy blue
- 09: M 81-A anthracite
- 10: M 91-A black

Precontraint 480 Polyester

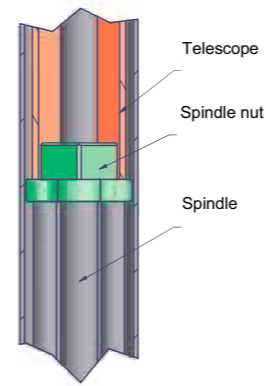
For all dimensions.
For all types of umbrellas.



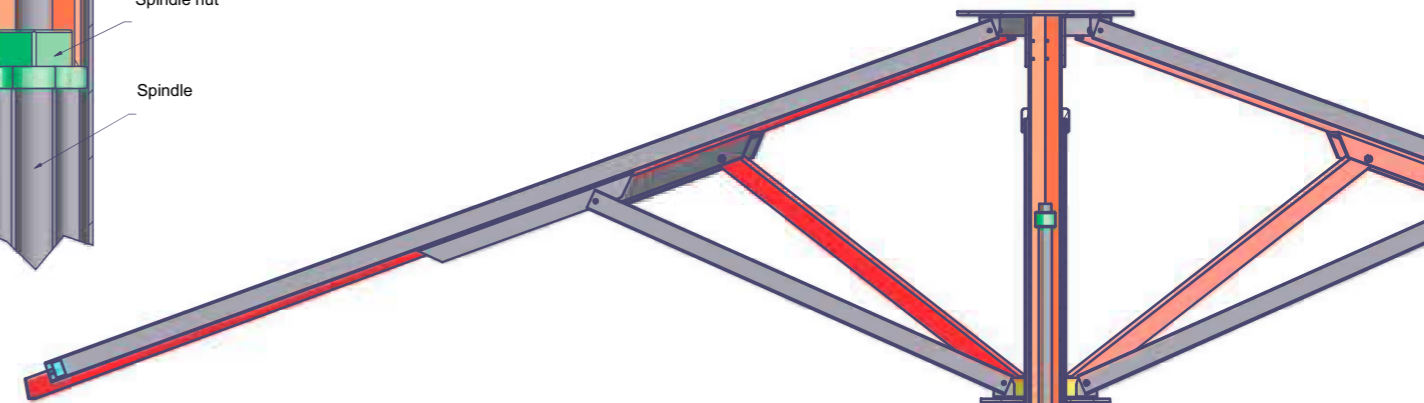
- 01: M 00-P white

Special colours on request.

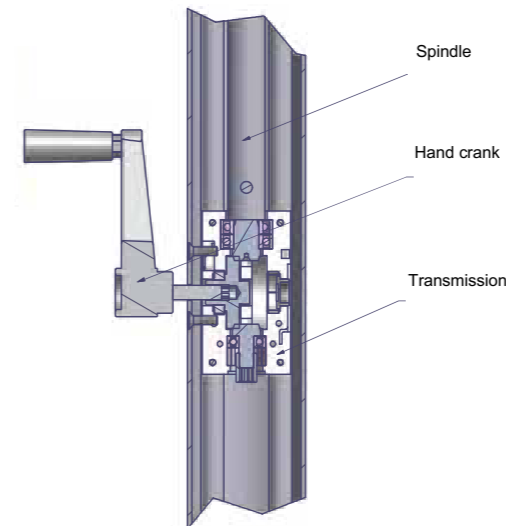
View A



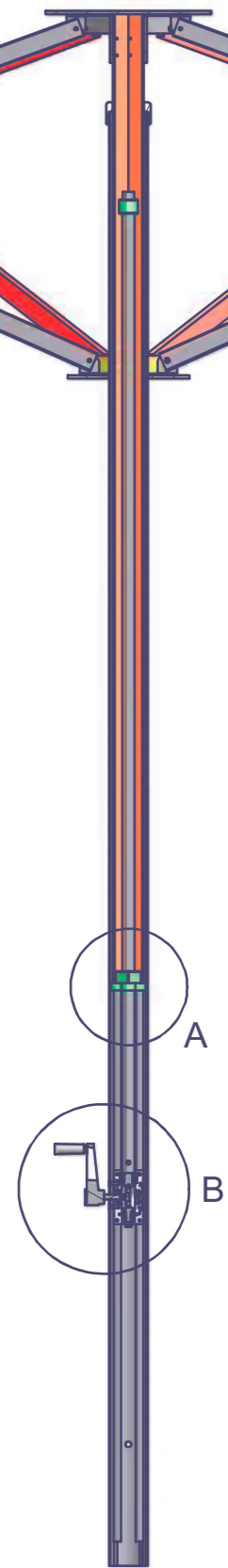
Telescope
Spindle nut
Spindle



View B



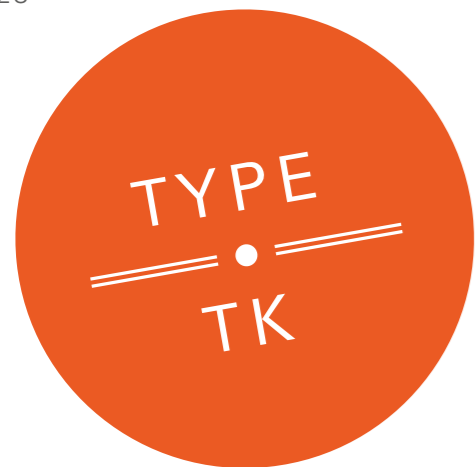
Spindle
Hand crank
Transmission



A

B

Easy opening and closing
with hand crank



- Pole \varnothing 150 mm
- Wind-proof up to 100 km/h, provided proper anchoring exists
- Telescopic full aluminum umbrella
- Opening and closing by hand crank optional electric drive or cordless screwdriver
- Water and corrosion resistant materials
- Easy exchangeable parts attached by screws
- Exchange of individual segments depending on size, 6-16 pieces, possible in opened access

Sizes

5x5 m / 5,5x5,5 m / 6x6 m / 7x7 m
 5x6 m / 6x7 m
 \varnothing 5m / \varnothing 6m / \varnothing 7m / \varnothing 8m



MOVIE "BÜRGENSTOCK"



TELESCOPIC UMBRELLA QUICK-CHANGE CANOPY SYSTEM TYPE TK



TELESCOPIC UMBRELLA QUICK-CHANGE CANOPY SYSTEM

The telescopic umbrella with quick-change canopy system has been designed for special application areas. Here, the objects mix from the standard version and the reinforced version as well as the practical system of the quick-change system to our umbrella bar. Through the use of the quick-change canopy system, it is possible to replace individual segment elements of the roof in order to keep costs for a new membrane as small as possible. As a result, the system increases the wind stability up to 100 km/h. This type of umbrella is perfectly suited for the gastronomy and industry.

TELESCOPIC UMBRELLA QUICK-CHANGE CANOPY SYSTEM TYPE TK

TYPE TK
TELESCOPE
UMBRELLA



FRAME

Rectangular umbrella struts made of aluminum, 40x20x2 mm – 60x30x3 mm, center pole with wound aluminum profile, ø 150x5 mm, aluminum telescope ø80-100x5 mm, U profile for attaching spokes, powder-coated frame (polyester powder ca. 80 µ)

- White RAL 9010
- other RAL colors on request

MECHANICS

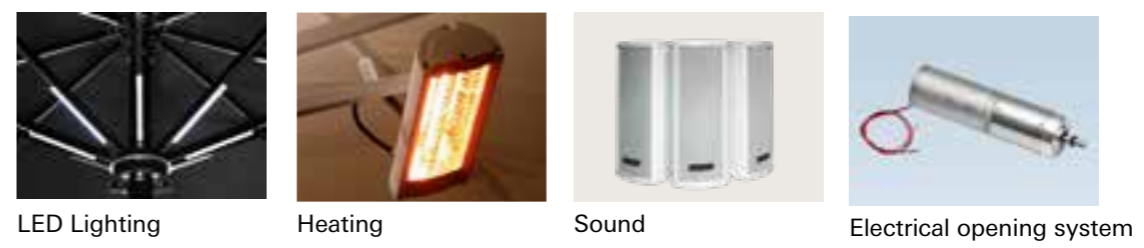
Gearbox and spindle stored in center pole, umbrella opened/closed with hand crank or electric motor.

COVER

Precontract fabric
 (100% polyester fabric, both sides with high gloss finish)
 PVC coating, mass ca. 480 g/m²
 MDT-tex® 680 PVC
 (100% polyester dual-sided acrylate coating).
 Weight ca. 680 g/m², water column pressure over 5000 mm, flame retardant according to California T19. CERF Categoria 1, DIN 4102: B1
 MDT-tex® 300/450/700 PTFE
 Weight ca. 300/450/700 g/m², water column pressure over 500 mm

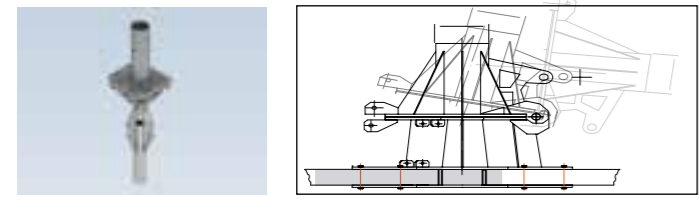


Round Square Struts up to 5x5m Struts up 5x5 m Crank



LED Lighting Heating Sound Electrical opening system

ANCHORINGS



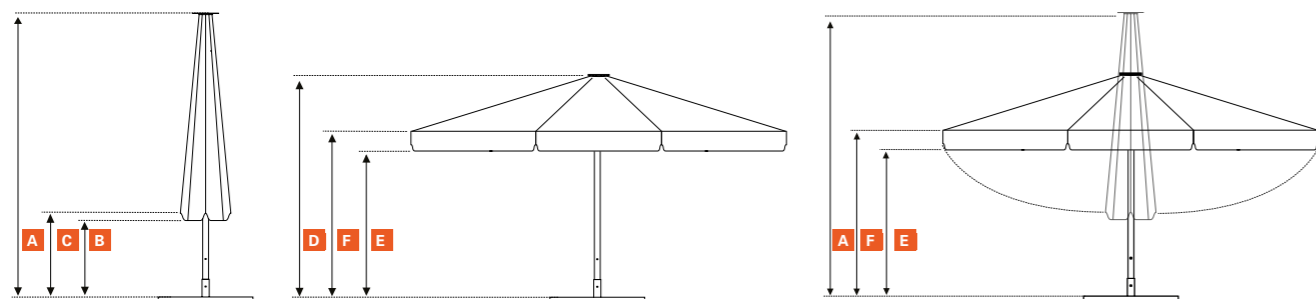
Ground tube foldable Hinged adapter

ACCESSORIES



Protection sleeve Rain gutter Textile sidewalls High / half-high sidewalls

TYPE TK - QUICK-CHANGE CANOPY SYSTEM WIND-PROOF UP TO 100 KM/H



POLE \varnothing 100/150 MM

DIMENSIONS ARE IN METERS

*all measurements are rounded

MASS

	\varnothing 100	\varnothing 100	\varnothing 100	\varnothing 150	\varnothing 150	\varnothing 150
Umbrella with packaging (kg)	75	79	85,8	142,1	211,7	297,7
Umbrella without packaging (kg)	67	71	77,8	128,6	195,8	280,7
Frame (kg)	62	65	70	117	180	250
Cover (kg)	5	6	7,8	11,6	15,8	30,7

CLOSED UMBRELLA

	\varnothing 100	\varnothing 100	\varnothing 100	\varnothing 150	\varnothing 150	\varnothing 150
A Closed height (cm)	420	425	445	500	557	643
B Distance from valances to ground (cm)	105	80	60	55	30	41
C Distance from spokes to ground (cm)	135	110	90	85	60	71

OPEN UMBRELLA

	\varnothing 100	\varnothing 100	\varnothing 100	\varnothing 150	\varnothing 150	\varnothing 150
D Opened height (cm)	315	320	320	375	400	456
E Distance from valances to ground (cm)	210	210	210	230	230	240
F Distance from spokes to ground (cm)	240	240	240	260	260	270

PACKAGING DIMENSIONS

	\varnothing 100	\varnothing 100	\varnothing 100	\varnothing 150	\varnothing 150	\varnothing 150
Total length (cm)	420	425	447	502	559	559
Dimensions of cardboard packaging (cm)	40x40x360	40x40x360	40x40x380	45x45x430	-	-
Length of mast extruding from box (cm)	60	65	67	72	-	-

ACCESSORIES

	Type 100	Type 100	Type 100	Type 150	Type 150	Type 150
Foldable adapter Article No.	Type 100 01951-D	Type 100 01951-D	Type 100 01951-D	Type 150 ZB00.429	Type 150 ZB00.429	Type 150 ZB00.429
Inground tube with foldable adapter Article No.	Type 100 02714-D	Type 100 02714-D	Type 100 02714-D	Type 150 03363-D	Type 150 03363-D	Type 150 03363-D
Protective sleeve size Article No.	M 00962	L 00961	L 00961	XL 06673	XXL	XXL

all dimensions + weights given are approximate

POLE \varnothing 150 MM

DIMENSIONS ARE IN METERS

*all measurements are rounded

MASS

	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150
Umbrella with packaging (kg)	65,1	110,1	187,9	230,8	131,1	199,4
Umbrella without packaging (kg)	57,6	102,6	172	214,9	117,6	183,5
Frame (kg)	52	97	160	200	108	170
Cover (kg)	5,7	5,6	12	14,9	9,6	13,5

CLOSED UMBRELLA

	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150
A Closed height (cm)	445	450	557	527	500	550
B Distance from valances to ground (cm)	160	117	160	97	76	55
C Distance from spokes to ground (cm)	190	147	190	127	106	85

OPEN UMBRELLA

	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150
D Opened height (cm)	320	340	400	369	368	395
E Distance from valances to ground (cm)	210	230	30	230	230	230
F Distance from spokes to ground (cm)	240	260	260	260	260	260

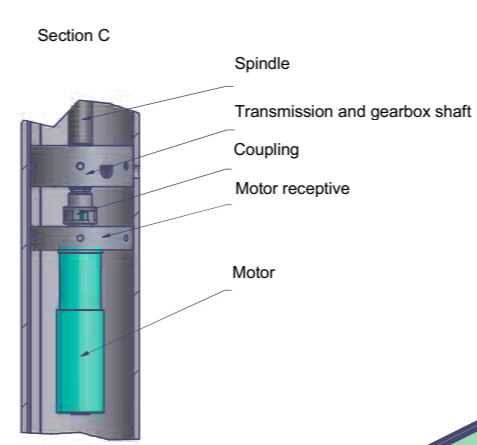
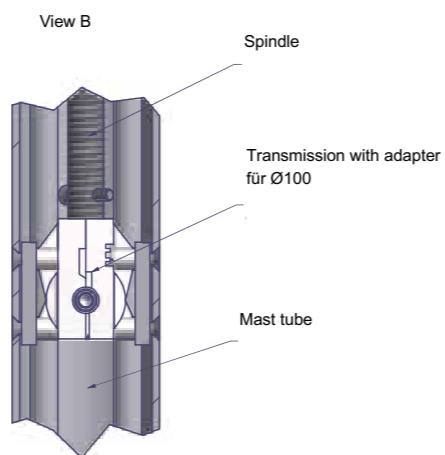
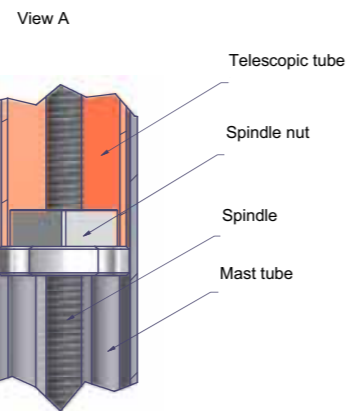
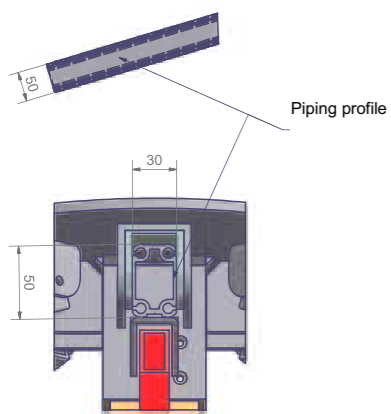
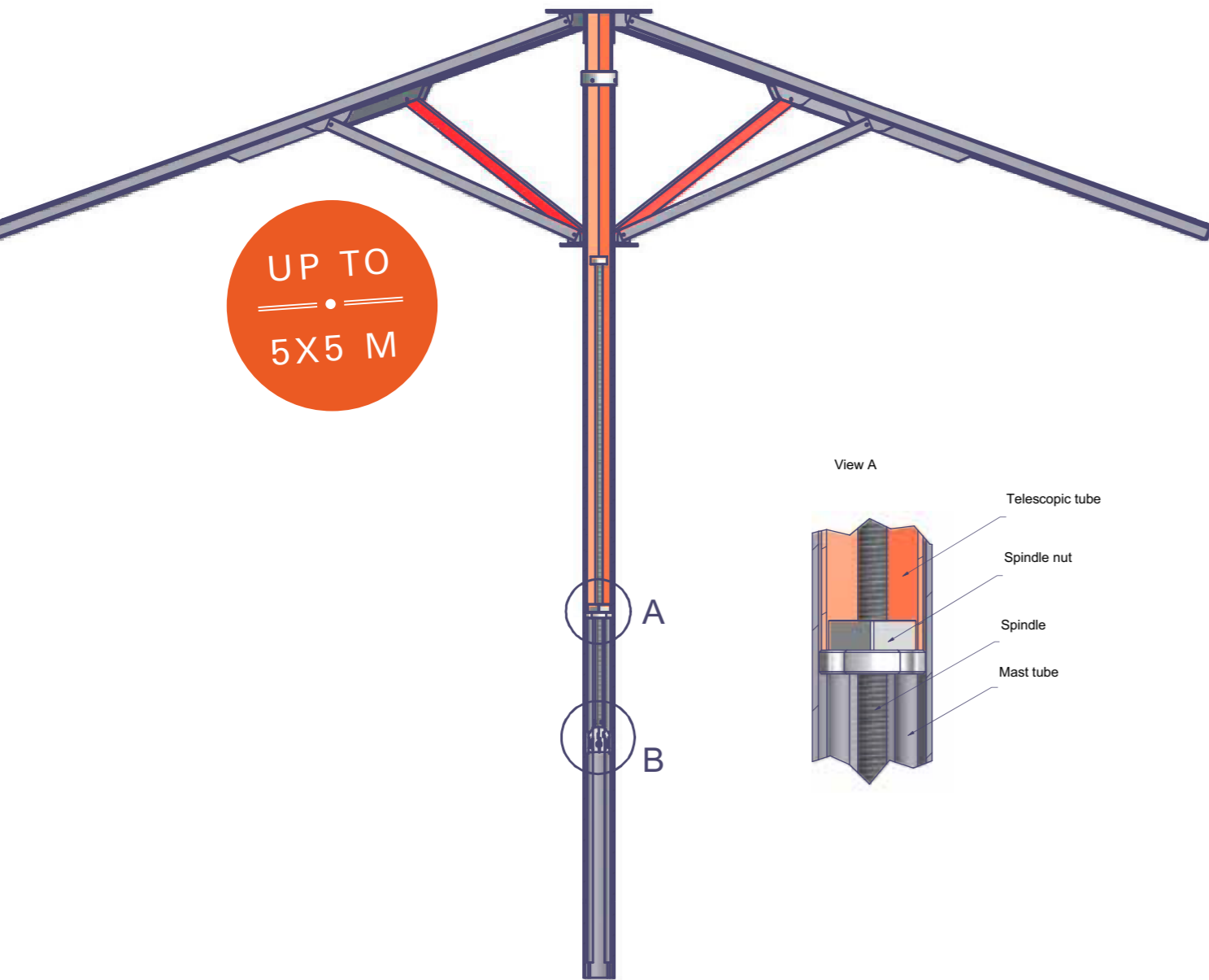
PACKAGING DIMENSIONS

	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150	\varnothing 150
Total length (cm)	447	452	559	529	502	522
Dimensions of cardboard packaging (cm)	40x40x360	45x45x4300	-	-	45x45x430	-
Length of mast extruding from box (cm)	87	22	-	-	142	-

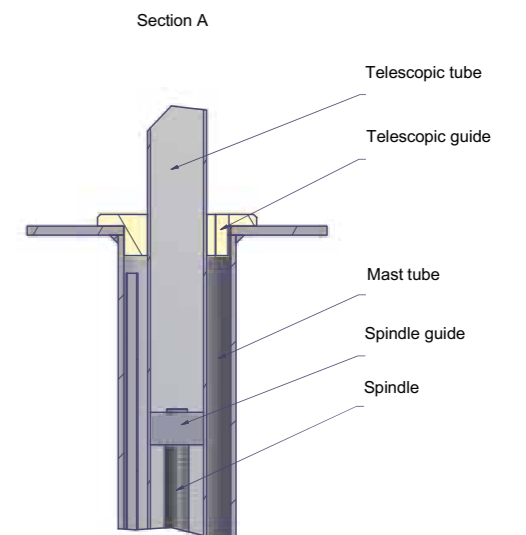
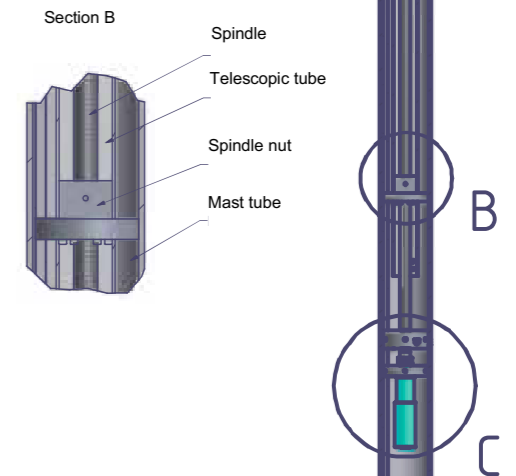
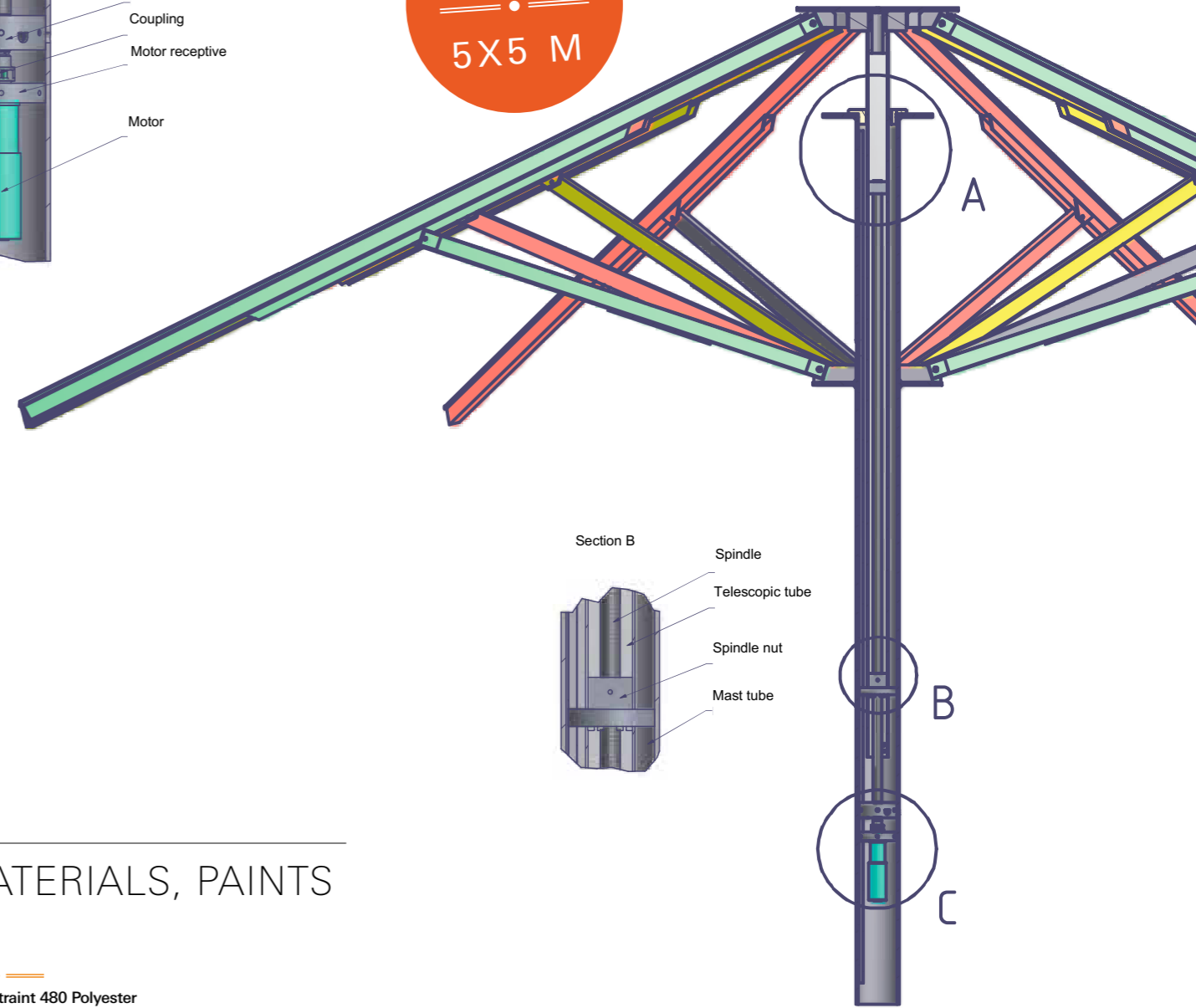
ACCESSORIES

	Type 150	Type 150	Type 150	Type 150	Type 150	Type 150
Foldable adapter Article No.	Type 150 ZB00.429	Type 150 ZB00.429	Type 150 ZB00.429	Type 150 ZB00.429	Type 150 ZB00.429	Type 150 ZB00.429
Inground tube with foldable adapter Article No.	Type 150 03363-D	Type 150 03363-D	Type 150 03363-D	Type 150 03363-D	Type 150 03363-D	Type 150 03363-D
Protective sleeve size Article No.	M 00962	L 00961	XL 06673	XXL	XL 06673	XXL

all dimensions + weights given are approximate



STARTING AT
5X5 M



MATERIALS, PAINTS

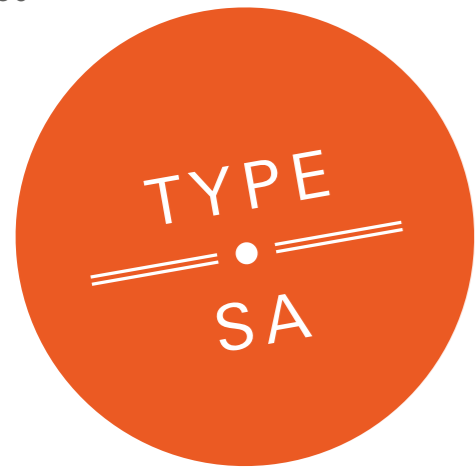
Precontraint 480 Polyester
For all dimensions.
For all types of umbrellas.

01: M 00-P white

01
Special colours on request.

OPTIONAL
MDT-tex®-PTFE 300/450/700 TEFLON
For all dimensions.
For all types of umbrellas.

01
01: M 00-PTFE white-beige



NEW
POSITIONING ON THE DIAGONAL MAST
OPTIMAL DISTRIBUTION OF SPACE

- Easy exchangeable parts attached by screws
- Crank for opening/closing umbrella above table height
- Maintenance-free gears and lifting spindle
- Internal cable ducts
- Windproof up to speeds of 25 mph, provided proper anchoring exists

Sizes

3x3m / 3x4m / 4x4m / 4 x 5 m / 5x5m



CANTILEVER UMBRELLA

The cantilever umbrella is the perfect option for areas with passages or with an optimized sitting layout. Thanks to an oval profile, the rotary cantilever mast provides maximum stability and space for house cables leading to the ground.

Possible accessories:
LED lighting & cooling (on request)



CANTILEVER UMBRELLA TYPE SA



TYPE SA
CANTILEVER
UMBRELLA
SEITENARM-
SCHIRM

FRAME

Rectangular umbrella struts made of aluminum, 40x20x2 mm - 50x20x3 mm, oval aluminum mast measuring 140x100 mm in diameter, 70x3 mm aluminum telescope, top plate and crown plate made with aluminum U profiles for housing struts, screwed together parts, powder-coated frame (polyester powder ca. 80 µ), movable parts made of steel.

- White RAL 9010
- other RAL colors on request

MECHANICS

Maintenance-free mast gears with spindle, triple telescope for opening/closing umbrella, hand crank for opening/closing canvas

COVER

MDT-tex® 260 FR

(100% polyester dual-sided acrylate coating).

Weight ca. 260 g/m², water column pressure over 700 mm, flame retardant according to California T19. CERF Categoria 1, DIN 4102: B1

MDT-tex® 300

(100% acrylic fabric).

Weight ca. 300 g/m², water column pressure over 350 mm

Precontraint fabrice

(100% polyester fabric, both sides with high gloss finish)

PVC coating, mass ca. 480 g/m²



Squar



Poolprofile



Top



Struts



Crank



LED Lighting

ANCHORINGS

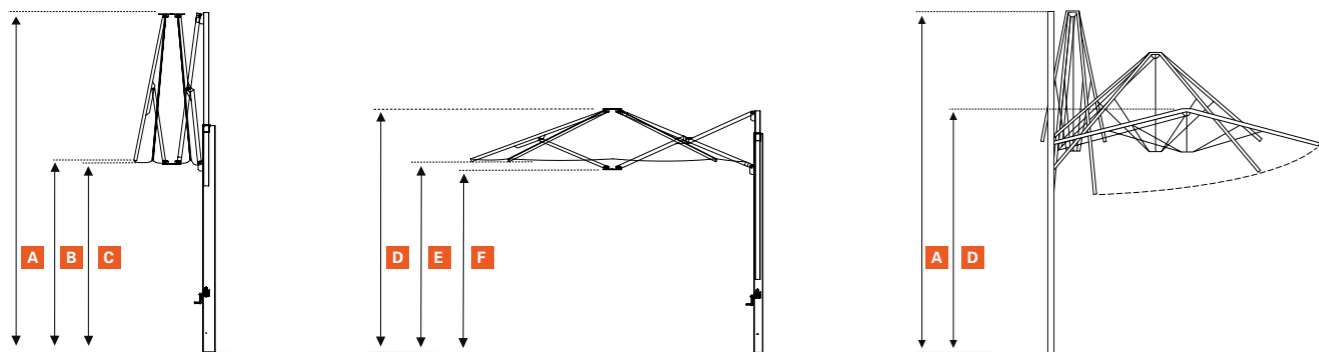


Ground tube

ACCESSORIES








Protection sleeve



DIMENSIONS ARE IN METERS

*all measurements are rounded

	 3 x 3	 3 x 4	 4 x 4	 4 x 5	 5 x 5
MASS					
Umbrella with packaging (kg)	70,5	73,5	96,5	110,5	136,5
Umbrella without packaging (kg)	60,5	63,5	86,5	105,5	126,5
Frame (kg)	58	60	86	100	120
Cover (kg)	2,5	3,5	4,5	5,5	6,5

CLOSED UMBRELLA

	3 x 3	3 x 4	4 x 4	4 x 5	5 x 5
A Closed height (cm)	380	410	433	454	491
B Distance from volances to ground (cm)	143	125	120	104	106
C Distance from spokes to ground (cm)	164	158	150	134	136

OPEN UMBRELLA

	3 x 3	3 x 4	4 x 4	4 x 5	5 x 5
D Opened height (cm)	293	320	319	335	345
E Distance from volances to ground (cm)	237	262	245	263	262
F Distance from plate to ground (cm)	218	249	235	251	243

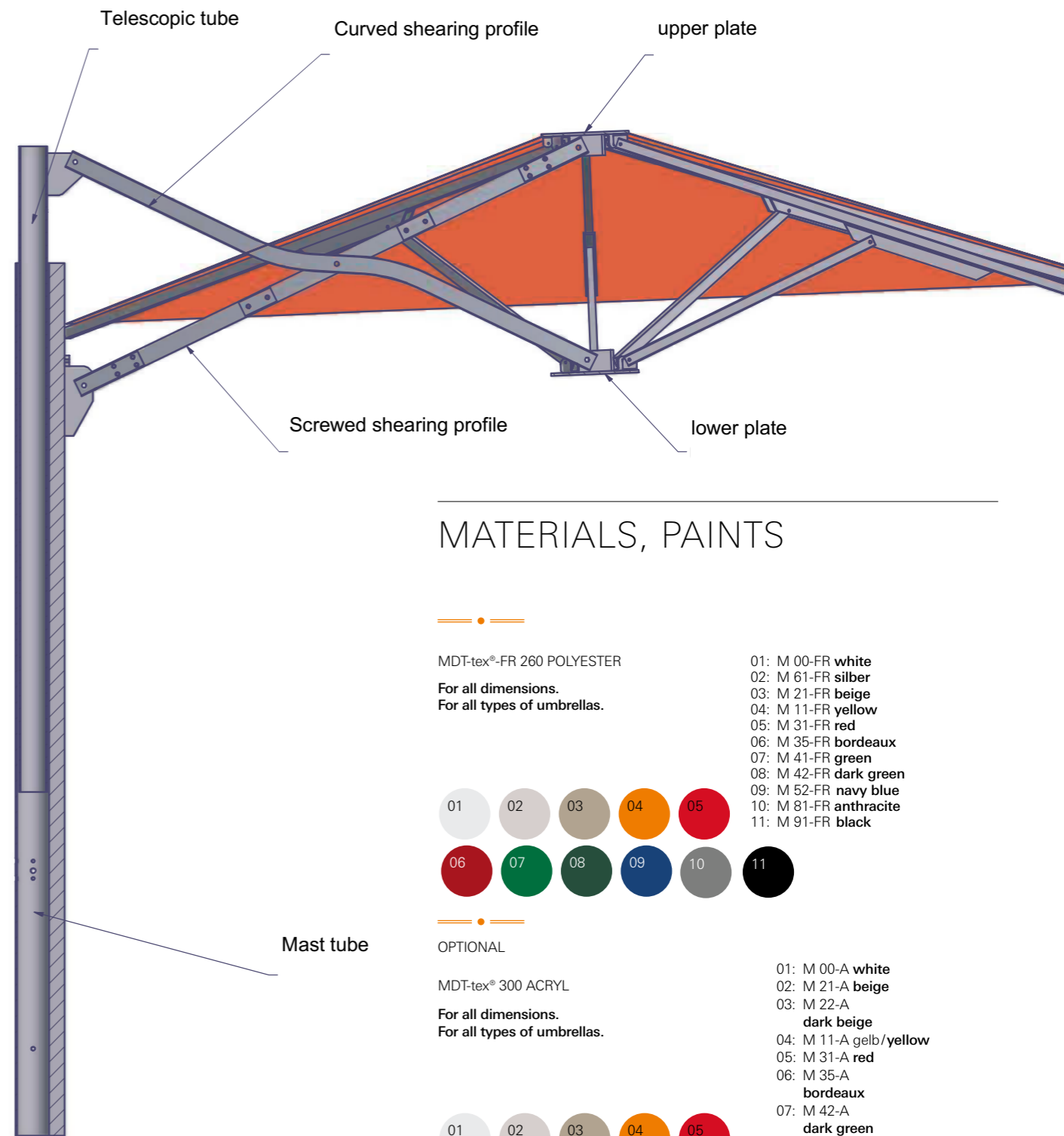
PACKAGING DIMENSIONS

	3 x 3	3 x 4	4 x 4	4 x 5	5 x 5
Total length (cm)	380	410	433	454	491
Dimensions of carboard packaging (cm)	45x45x360	45x45x360	45x45x360	45x45x360	45x45x360
Length of mast extruding from box (cm)	20	50	73	94	131

ACCESSORIES

Adapter Article No.	Type SA 10760-D	Type SA 10760-D	Type SA 10760-D	Type SA 10760-D	Type SA 10760-D
Inground tube Article No.	Type SA 07258	Type SA 07258	Type SA 07258	Type SA 07258	Type SA 07258
Protection sleeve size Article No.	M 06447	M 06448	M 06448	L 06449	L 06449

all dimensions + weights given are approximate

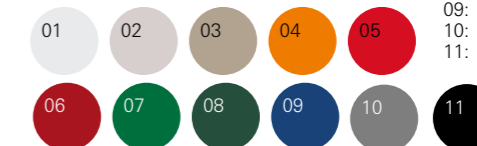


Easy opening and closing with hand crank

MATERIALS, PAINTS

MDT-tex®-FR 260 POLYESTER

For all dimensions.
For all types of umbrellas.

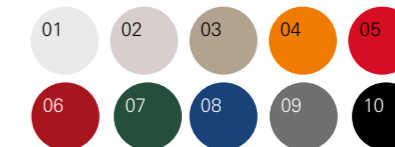


- 01: M 00-FR white
- 02: M 61-FR silver
- 03: M 21-FR beige
- 04: M 11-FR yellow
- 05: M 31-FR red
- 06: M 35-FR bordeaux
- 07: M 41-FR green
- 08: M 42-FR dark green
- 09: M 52-FR navy blue
- 10: M 81-FR anthracite
- 11: M 91-FR black

OPTIONAL

MDT-tex® 300 ACRYL

For all dimensions.
For all types of umbrellas.



- 01: M 00-A white
- 02: M 21-A beige
- 03: M 22-A dark beige
- 04: M 11-A gelb/yellow
- 05: M 31-A red
- 06: M 35-A bordeaux
- 07: M 42-A dark green
- 08: M 52-A navy blue
- 09: M 81-A anthracite
- 10: M 91-A black

PVC 480 Polyester

For all dimensions.
For all types of umbrellas.

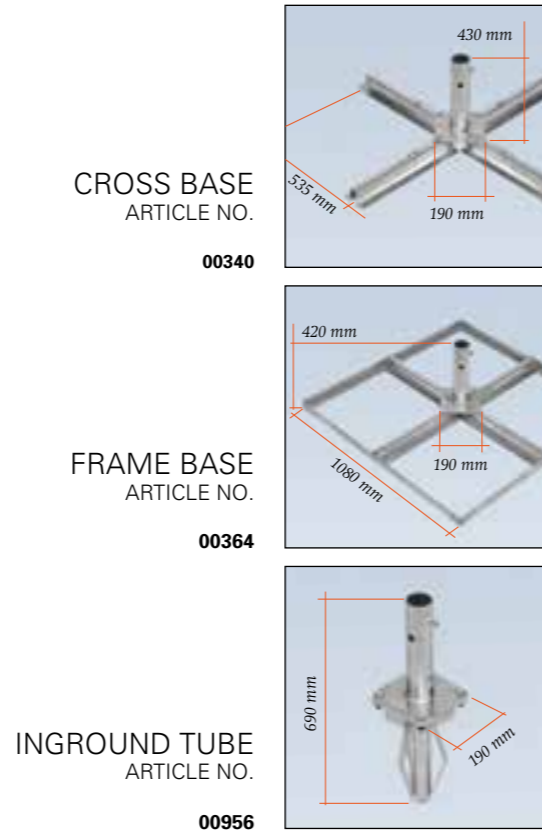
- 01: M 00-P white beige



Special colours on request.

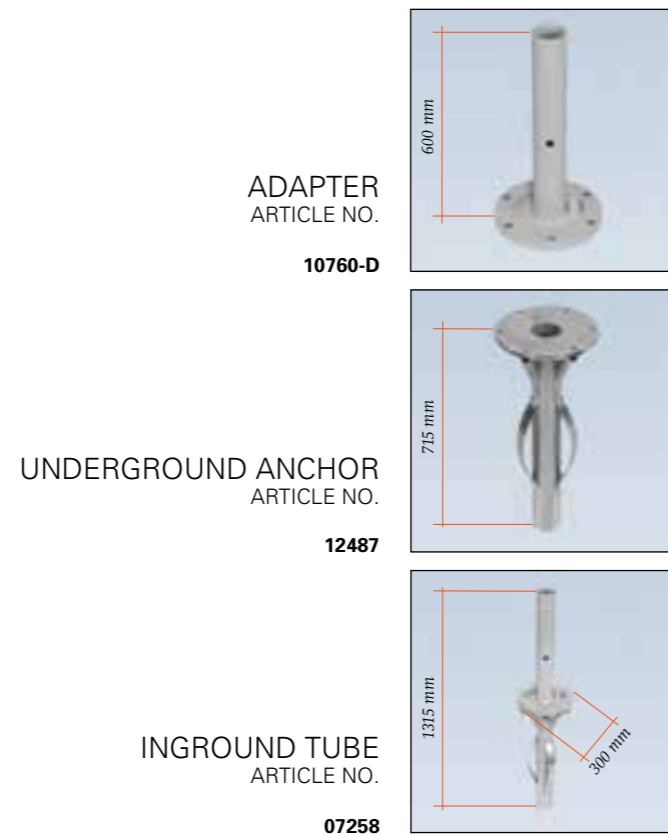
// TYPE G15

POLE 60 MM



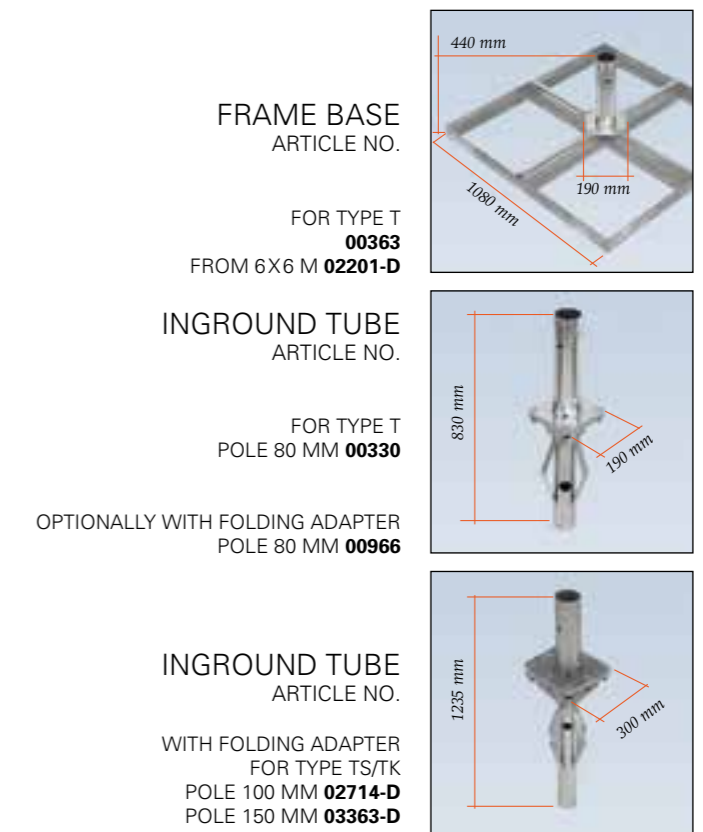
// TYPE SA

POLE 100X140 MM



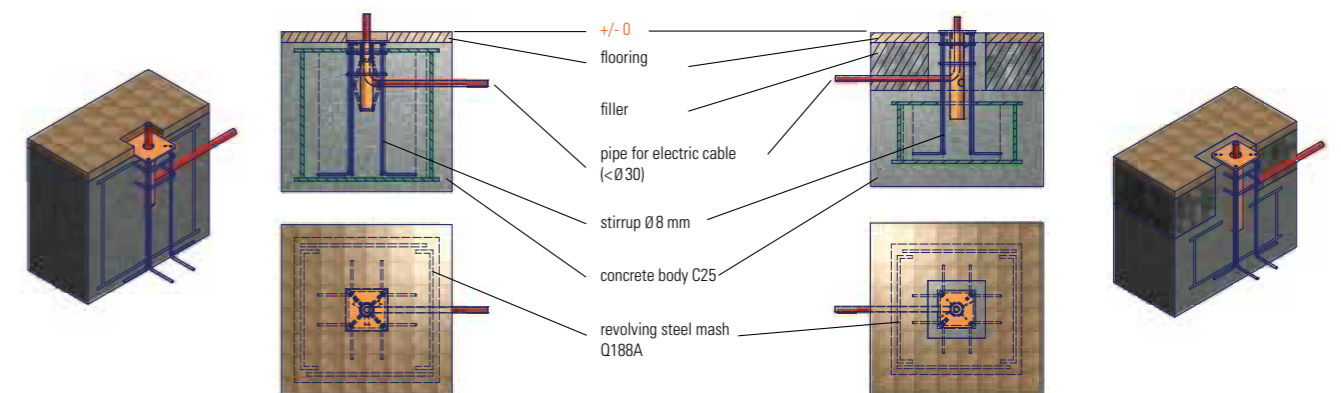
// TYPE T/TS/TK

POLE 80-150 MM



// FOUNDATIONS

TYPE G15/S/T/TS

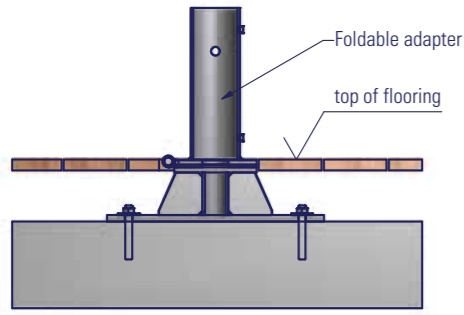


FOUNDATION	Pole $\varnothing 60$	Pole $\varnothing 80$	Pole $\varnothing 100$	Pole $\varnothing 150$	Pole 100x140 (SA) $\varnothing 88$
SURFACE RUNOFF					
Concrete body in m	0,8x0,8x0,7	0,9x0,9x0,8	1,1x1,1x1,0	1,1x1,1x1,0	1,4x1,4x1,4

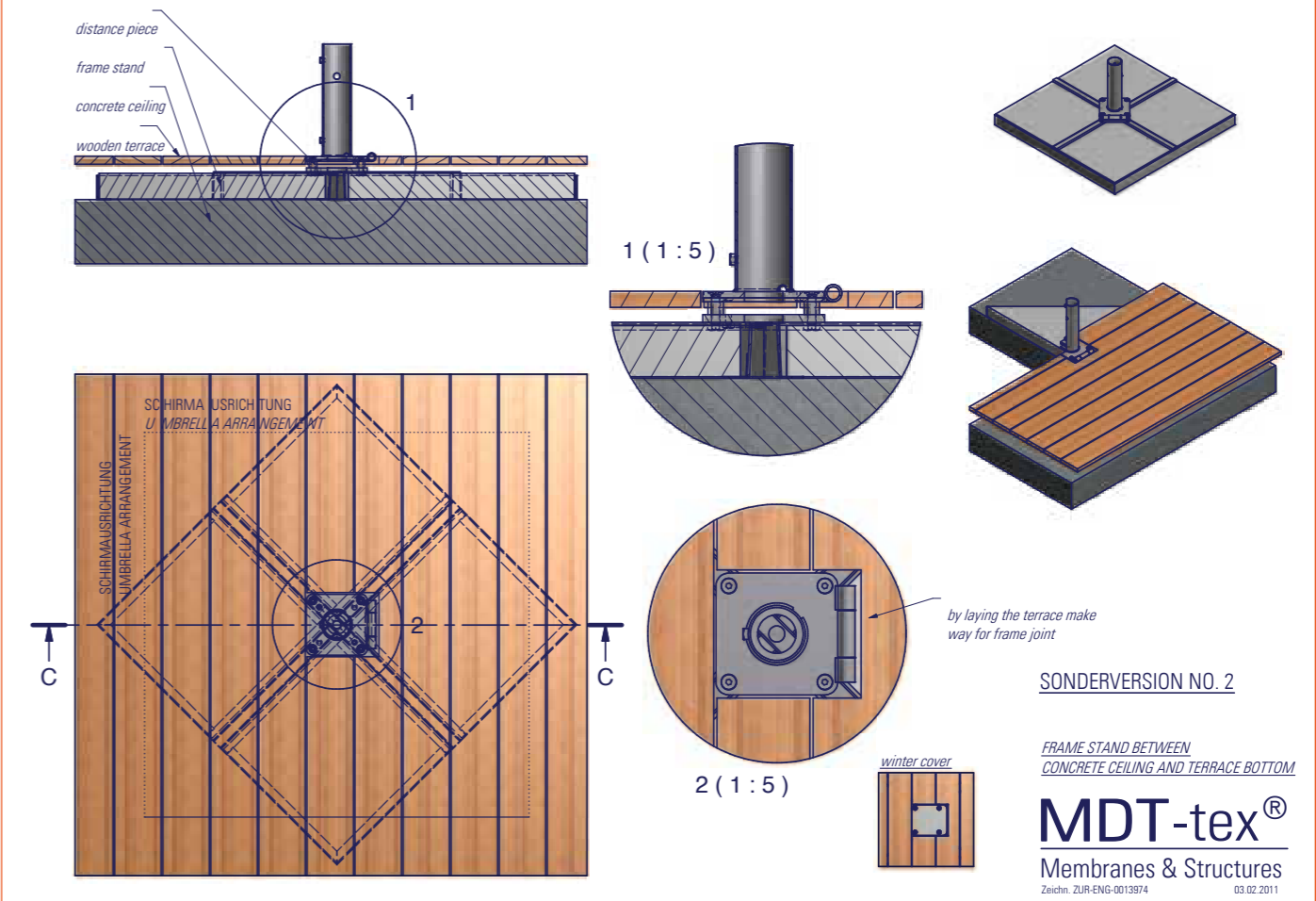
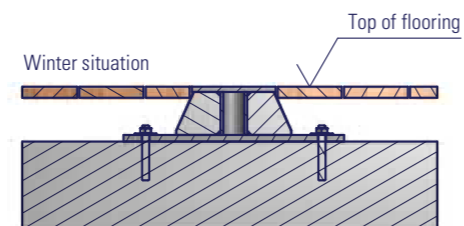
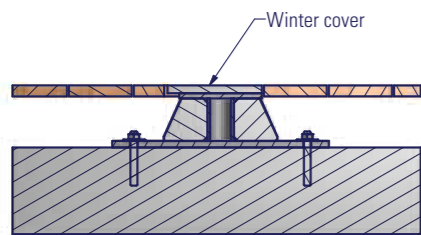
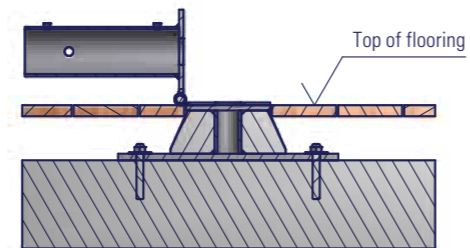
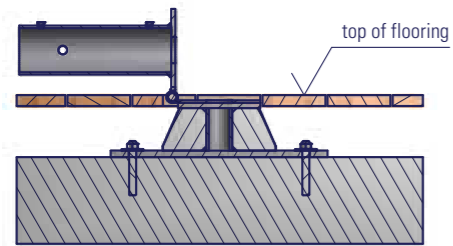
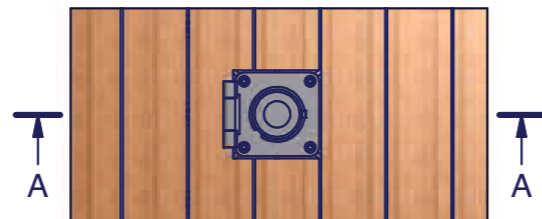
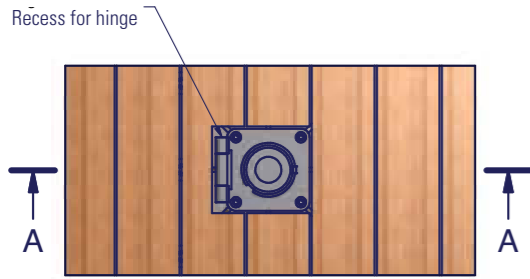
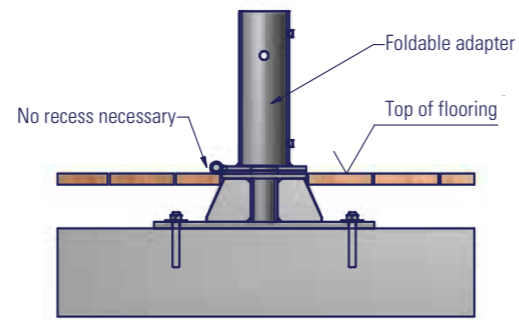
concrete quality C 25 (Stable soil is preconditioned)

ANOTHER POSSIBLE ANCORING

Foldable adapter: flush with top of flooring
Winter cover is necessary



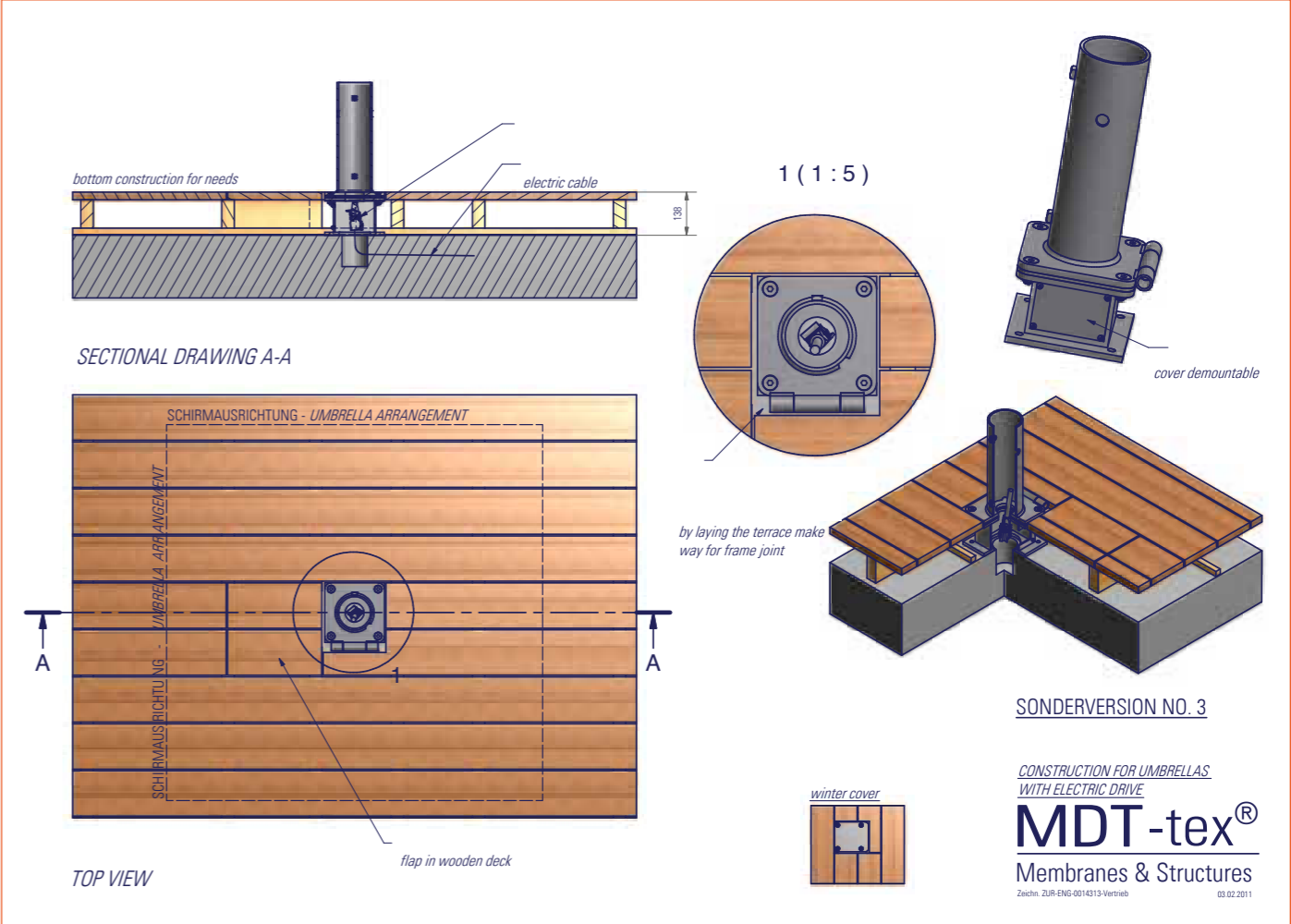
Foldable adapter: not flush with top of flooring
Winter cover is not necessary



SONDERVERSION NO. 2

FRAME STAND BETWEEN
CONCRETE CEILING AND TERRACE BOTTOM

MDT-tex[®]
Membranes & Structures
Zeichn. ZUR-ENG-0013974 03.02.2011

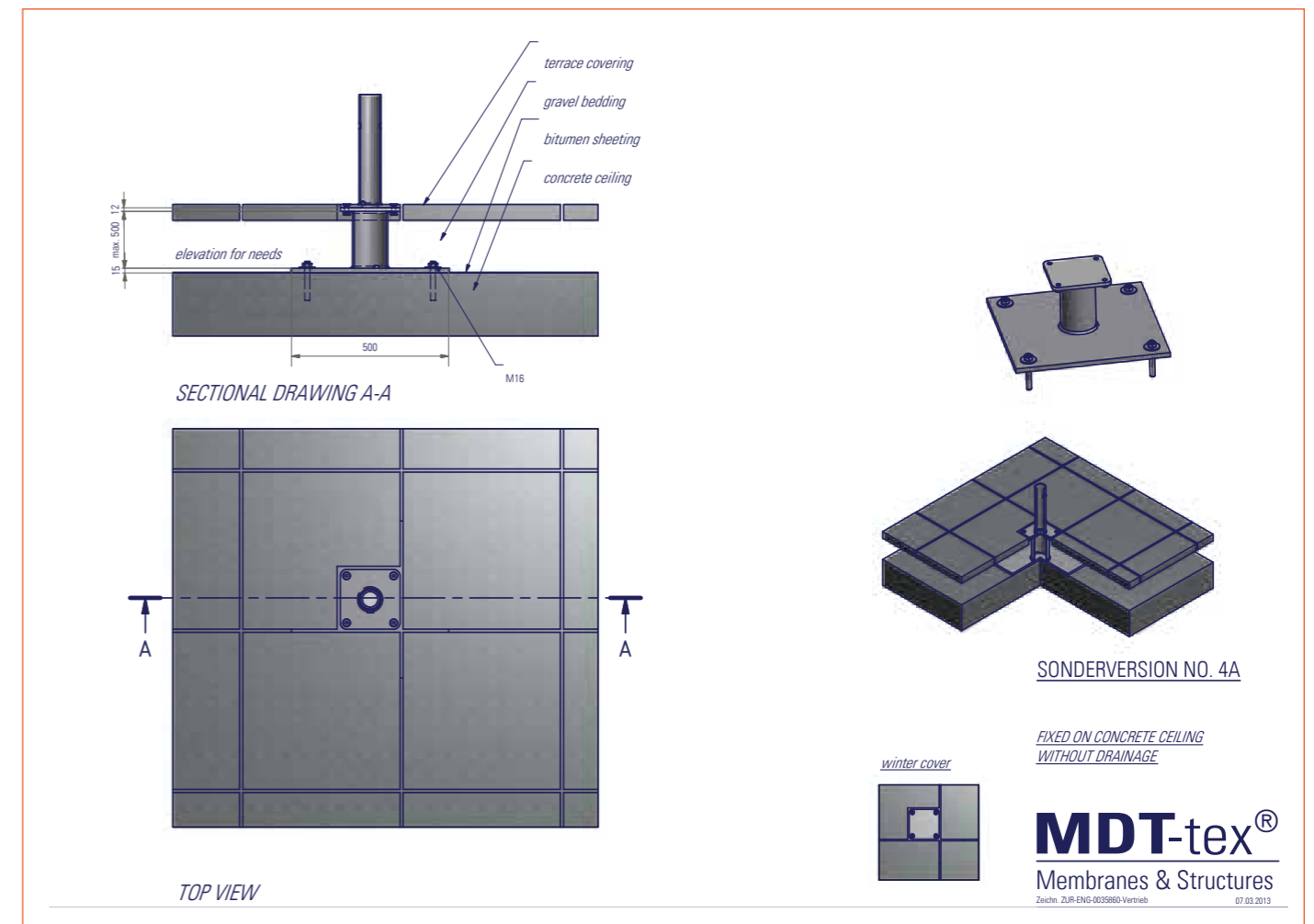
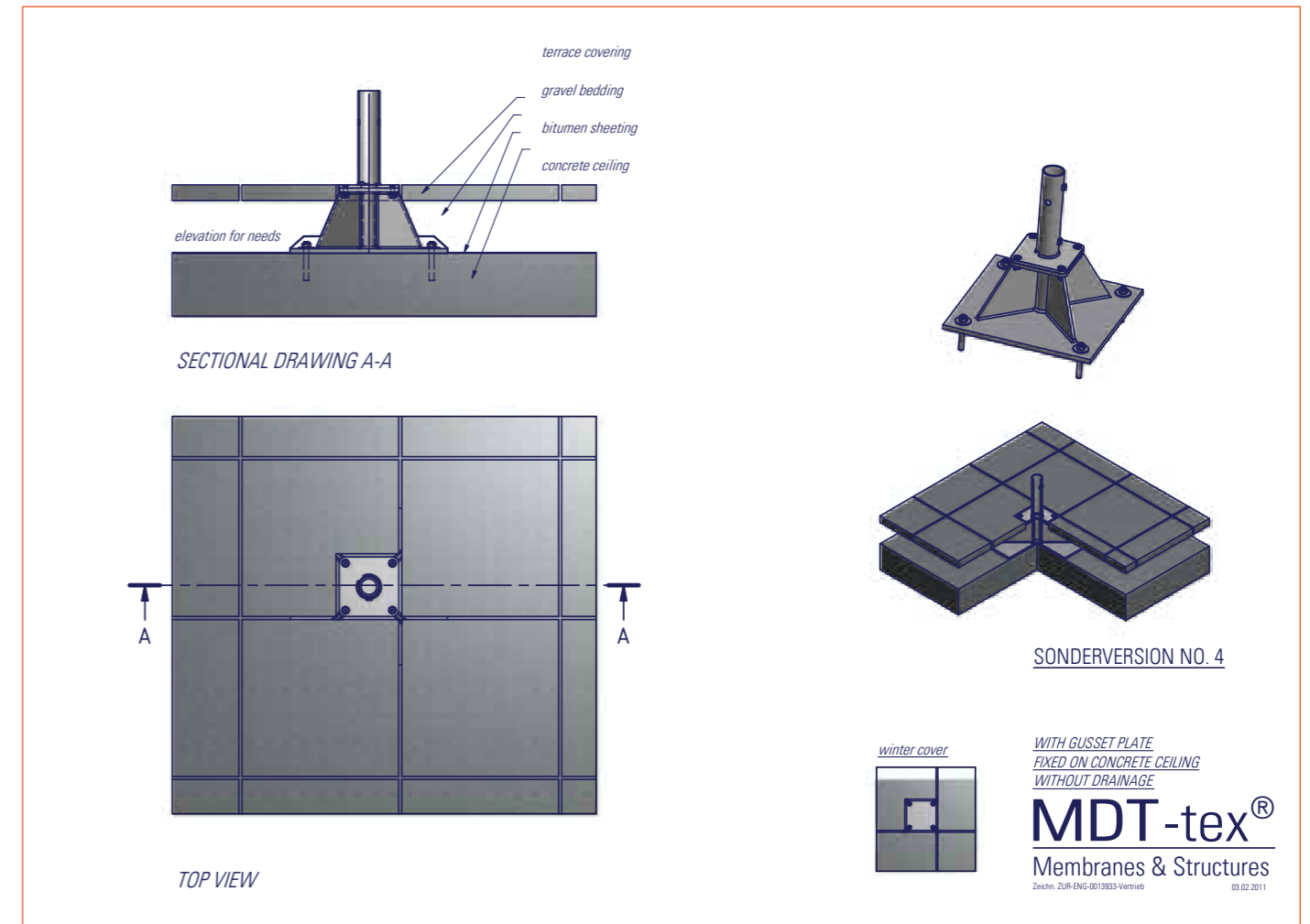
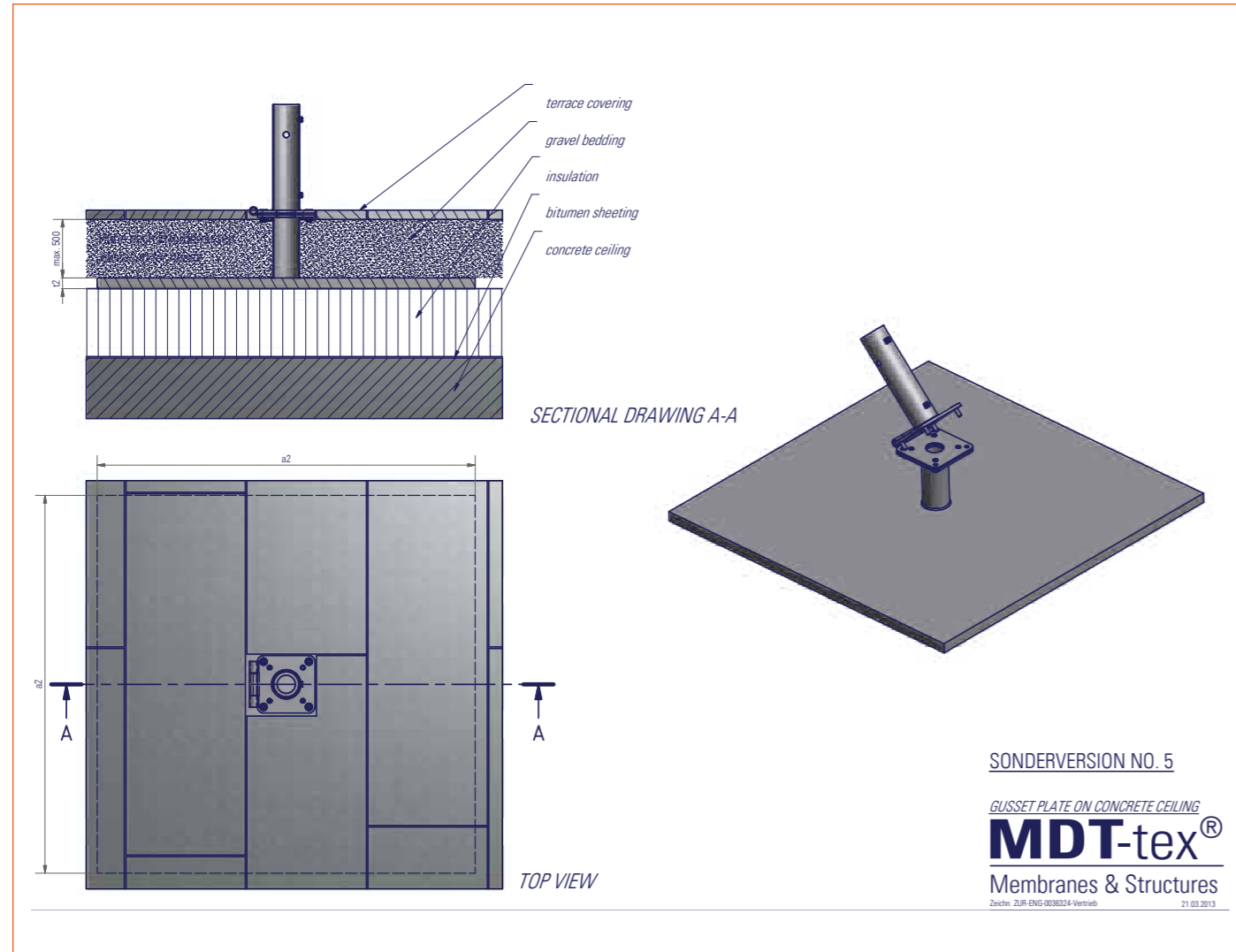


SONDERVERSION NO. 3

CONSTRUCTION FOR UMBRELLAS
WITH ELECTRIC DRIVE

MDT-tex[®]
Membranes & Structures
Zeichn. ZUR-ENG-0014313-Vertrieb 03.02.2011

ANOTHER POSSIBLE ANCORING


















MDT-TEX® 260 FR

POLYESTER

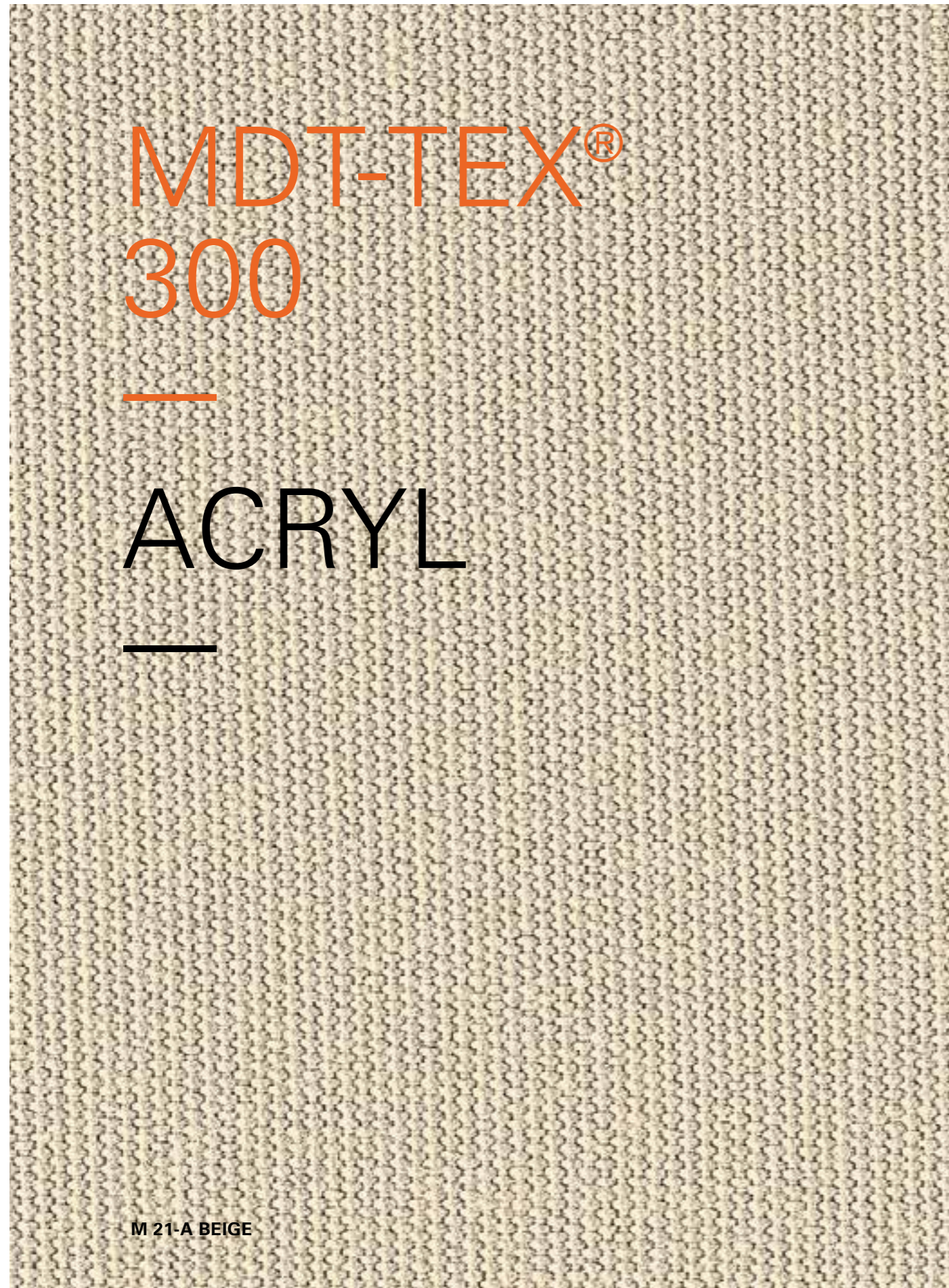
M-21 FR BEIGE

// MDT-TEX® 260 FR

FIRE RETARDANT - POLYESTER 100% WITH PU COATING












	WERT / VALUE	KOMMENTAR / COMMENTS
HAUPTINFORMATIONEN / KEY DATA		
 TEXTIL TEXTILE	POLYESTER POLYESTER (PES)	
 BESCHICHTUNG COATING	POLYURETHAN POLYURETHANE (LDPU)	Geringe Dichte, thermoplastisches Polyurethan Low density thermoplastic polyurethane (PU)
 GEWICHT WEIGHT	260 g/m ²	
FESTIGKEIT / STRENGTH		
 REISSFESTIGKEIT WARP TEAR RESITANCE WARP	> 2000 N/5cm	DIN EN ISO 13934-1
 REISSFESTIGKEIT WEFT TEAR RESITANCE WEFT	> 1300 N/5cm	DIN EN ISO 13934-1
 WEITERREISSFESTIGKEIT WARP FURTHER TEARING WARP	> 180 N/5cm	DIN EN ISO 13934-1
 WEITERREISSFESTIGKEIT WEFT FURTHER TEARING WEFT	> 150 N/5cm	DIN EN ISO 13934-1
UMWELTEINFLÜSSE / ENVIRONMENTAL PERFORMANCE		
 WASSERSÄULE WATER COLUMN	> 700 mm	ISO 811
 SPRÜHTEST SPRAY TEST	5/5	ISO 4920
 UV-FARBTON-BESTÄNDIGKEIT UV COLOUR RESISTANCE	6/8	ISO 105 B02
 ATMUNGSEIGENSCHAFT BREATHABILITY	50 L/(dm ² xmin)	
WEITERE INFOS / EXTRA DATA		
 FLAMMSCHUTZ FLAME RETARDANT	B1	DIN 4102
 BEDRUCKBARKEIT PRINTABILITY	ALLE VERFÜGBAREN AUSFÜHRUNGEN ALL AVAILABLE TYPES	Dispersionsdruck, Rollendruck, Siebdruck, Digitaldruck Dispersion printing, roll printing, screen printing, digital printing
 SELBSTREINIGUNGSKRAFT SELF CLEANING CAPACITY	POLYURETHAN MIKROSTRUKTUR POLYURETHANE MICRO - TOOTH	Hydrophobische PU Beschichtung mit einer Mikrostruktur, um den Selbstreinigungseffekt zu unterstützen Hydrophobic PU coating with microtexture to aid self cleaning effect
 KOLLAPSIBILITÄT COLLAPSIBILITY	TAUSENDE VON DURCHGÄNGEN THOUSANDS OF CYCLES	Gute Performance Good performance

Polyester yarns have many positive characteristics, such as easy to clean, easy to wash and good transportation of moisture. Additionally they are lighter, more tearproof and more durable than acrylic yarns. The fibres must be protected against UV rays in order to stay strong and colorfast. This is done by special coatings, where the coating agent diffuses into the yarns. By balancing the combination of yarn and coating properties, our MDT Polyester/PU formulation is the most versatile material for collapsible membranes.

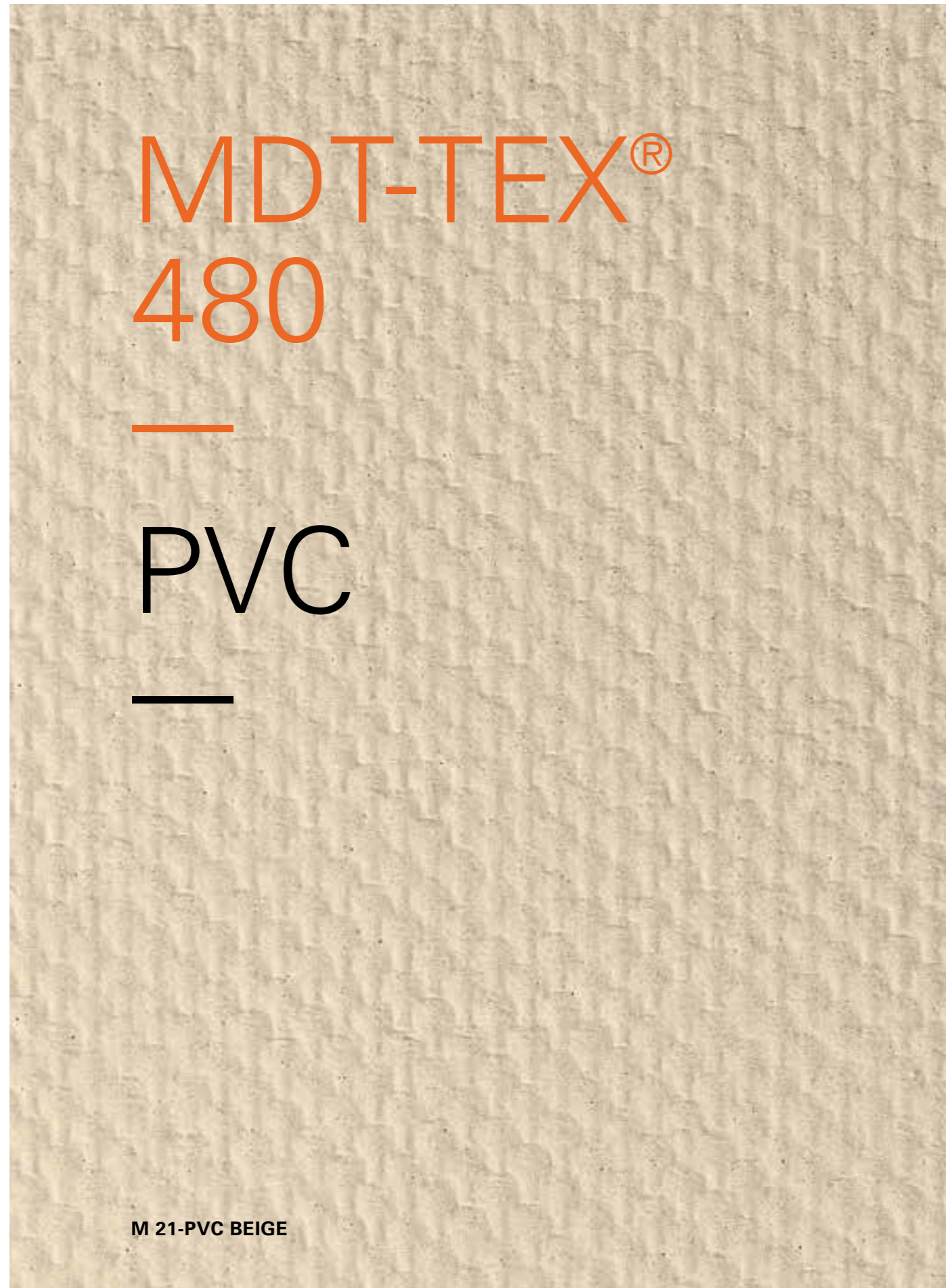


// MDT-TEX® 300

ACRYL - ACRYLIC 100%

















	WERT / VALUE	KOMMENTAR / COMMENTS
HAUPTINFORMATIONEN / KEY DATA		
 TEXTIL TEXTILE	POLYACRYLAT POLYACRYLATE	
 BESCHICHTUNG COATING		Beschichtung gegen Schmutz und Wasser Fibres treated with water and grime repellent admixture
 GEWICHT WEIGHT	300 g/m ²	
FESTIGKEIT / STRENGTH		
 REISSFESTIGKEIT WARP TEAR RESISTANCE WARP	1450 N/5cm	DIN EN ISO 13934-1
 REISSFESTIGKEIT WEFT TEAR RESISTANCE WEFT	900 N/5cm	DIN EN ISO 13934-1
 WEITERREISSFESTIGKEIT WARP FURTHER TEARING WARP	40 N/5cm	DIN EN ISO 13934-1
 WEITERREISSFESTIGKEIT WEFT FURTHER TEARING WEFT	23 N/5cm	DIN EN ISO 13934-1
UMWELTEINFLÜSSE / ENVIRONMENTAL PERFORMANCE		
 WASSERSÄULE WATER COLUMN	>370 mm	ISO 811
 SPRÜHTEST SPRAY TEST	5/5	ISO 4920
 UV-FARBTON-BESTÄNDIGKEIT UV COLOUR RESISTANCE	7-8/8	ISO 105 B02
WEITERE INFOS / EXTRA DATA		
 KOLLAPSIBILITÄT COLLAPSIBILITY	TAUSENDE VON DURCHGÄNGEN THOUSANDS OF CYCLES	Gute Performance Good performance

Our newest acrylic yarns are already colored during the spinning process. In the course of a special wet spinning process, pigments are injected into the fiber during production. This manufacturing process is responsible for the overall great properties, such as intense, long-lasting and unique color brilliance. As a result, the fabric can be characterized by its high UV-resistance, its very good light-fastness and color-fastness compared to most other membranes. The elongation of the woven fabric is identical in warp and weft direction. This is based on the special binding and yarn properties. The surface characteristics get increased by application of a water-resistance, mould resistance and dirt-repellency. A good flame retardancy is difficult to achieve for this material. Suitable mostly for small outdoor objects and where colour richness and stability is preferred.

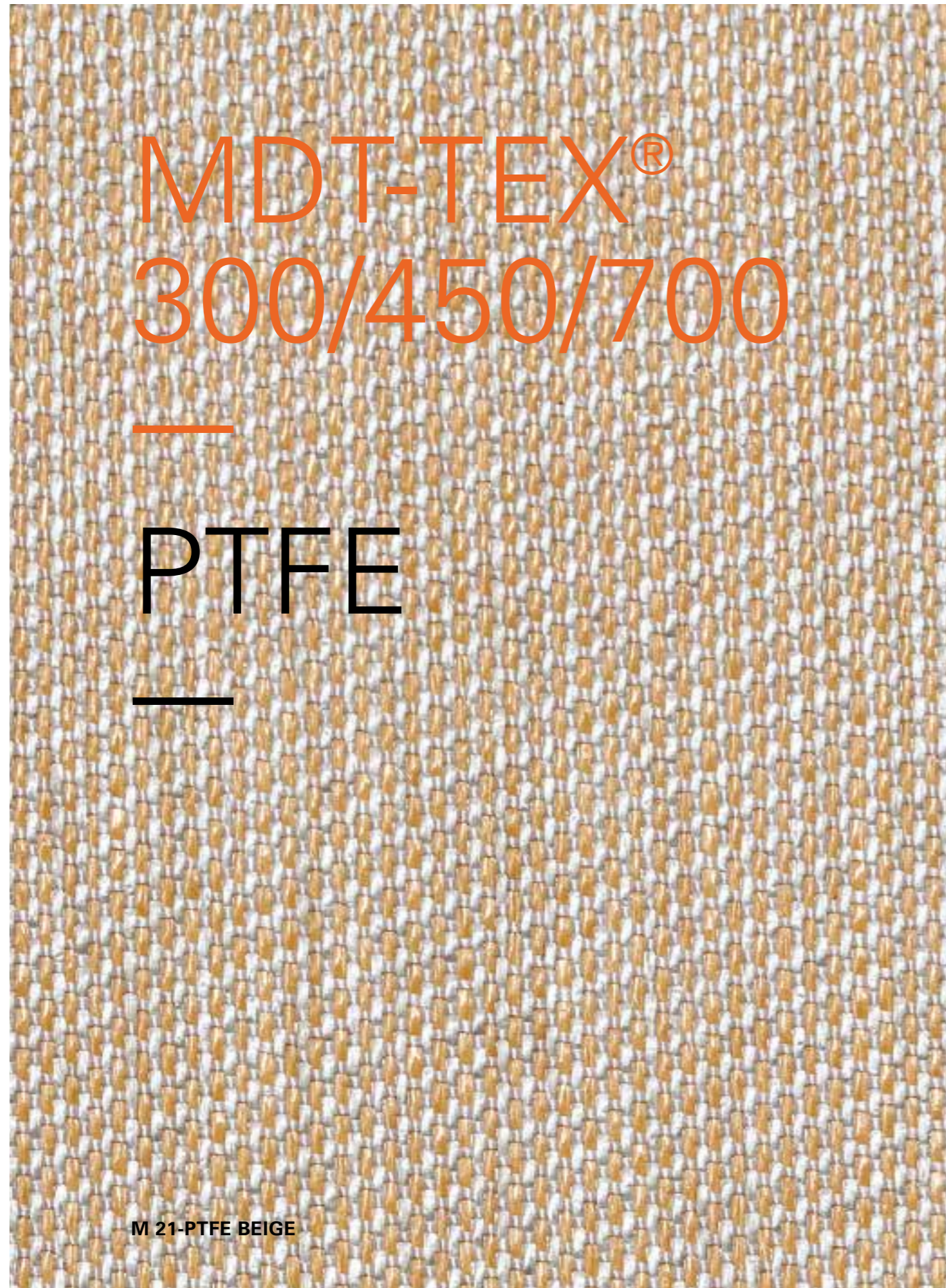


// MDT-TEX® 480 PVC

PVC COATED - POLYESTER 100%

	WERT / VALUE	KOMMENTAR / COMMENTS
HAUPTINFORMATIONEN / KEY DATA		
 TEXTIL TEXTILE	POLYESTER POLYESTER (PES)	
 BESCHICHTUNG COATING	PVC	Beidseitig glänzend mit PVC lackiert (Matt optional) Both sides lacquered PVC glossy (matte optional)
 FASERDICKE FIBER THICKNESS	0,36 mm	
 GESAMTGEWICHT TOTAL WEIGHT	480 g/m ²	
FESTIGKEIT / STRENGTH		
 REISSFESTIGKEIT KETTE TEAR RESITANCE WARP	140 DaN/5cm	EN ISO 1421
 REISSFESTIGKEIT SCHUSS TEAR RESITANCE WEFT	150 DaN/5cm	EN ISO 1421
 WEITERREISSFESTIGKEIT KETTE FURTHER TEARING WARP	10 DaN	DIN 53363
 WEITERREISSFESTIGKEIT SCHUSS FURTHER TEARING WEFT	12 DaN	DIN 53363
UMWELTEINFLÜSSE / ENVIRONMENTAL PERFORMANCE		
 WASSERSÄULE WATER COLUMN	-	
 SPRÜHTEST SPRAY TEST	-	
 UV-FARBTON-BESTÄNDIGKEIT UV COLOUR RESISTANCE	7/8	ISO 105 B02
 ATMUNGSEIGENSCHAFT BREATHABILITY	-	
WEITERE INFOS / EXTRA DATA		
 FLAMMSCHUTZ FLAME RETARDANCY	B1	DIN 4102
 TEMPERATURBESTÄNDIGKEIT TEMPERATURE RESISTANT	-30 - +70 C°	
 SELBSTREINIGUNGSKRAFT SELF CLEANING CAPACITY	OPTIONAL OPTIONAL	Optional mit PVDF Beschichtung Optional with PVDF Coating
 KOLLAPSIBILITÄT COLLAPSIBILITY	-	Nicht empfohlen Not recommended

PVC is a thermoplastic coating used with suitable base fabrics - mostly polyester - to achieve a smooth homogeneous cover that is highly weather resistant. Main applications include areas which are continuously exposed to weather. With its sleek sealed surface PVC is more likely to use for permanent canopies openings than for products with frequent opening and closing cycles.



















MDT-TEX®
300/450/700

PTFE

M 21-PTFE BEIGE

// MDT-TEX® 300 / 450 / 700 PTFE

TEFLON (PTFE)

		WERT / VALUE 300g/450g/700g			KOMMENTAR / COMMENTS
HAUPTINFORMATIONEN / KEY DATA					
	TEXTIL TEXTILE	POLYTETRAFLUORETHYLEN POLYTETRAFLUORETHYLENE (PTFE)			
	BESCHICHTUNG COATING	FENORPOLYMER MISCUNG FENOLPOLYMER MIXTURE			PTFE Beschichtung mit niedriger Dichte auf der PTFE Faser Low density PTFE coating on PTFE fiber
	FASERGEWICHT FIBER WEIGHT	270 g/m ²	430 g/m ²	680 g/m ²	
	GESAMTGEWICHT TOTAL WEIGHT	300 g/m ²	450 g/m ²	700 g/m ²	
FESTIGKEIT / STRENGTH					
	REISSFESTIGKEIT KETTE TEAR RESISTANCE WARP	2000 N/5cm	3200 N/5cm	5000 N/5cm	DIN EN ISO 13934-1
	REISSFESTIGKEIT SCHUSS TEAR RESISTANCE WEFT	2000 N/5cm	3200 N/5cm	3000 N/5cm	DIN EN ISO 13934-1
	WEITERREISSFESTIGKEIT KETTE FURTHER TEARING WARP	20%	20%	25%	DIN EN ISO 13934-1
	WEITERREISSFESTIGKEIT SCHUSS FURTHER TEARING WEFT	10%	10%	7%	DIN EN ISO 13934-1
UMWELTEINFLÜSSE / ENVIRONMENTAL PERFORMANCE					
	WASSERSÄULE WATER COLUMN	> 500 mm			ISO 811
	TRANSMISSION TRANSMITTANCE	35%			DIN EN 410
	REFLEXIONSVERMÖGEN REFLECTIVITY	60%			DIN EN 410
WEITERE INFOS / EXTRA DATA					
	FLAMMSCHUTZ FLAME RETARDANT	B1			DIN 4102 Schwer entflammbar / oft selbstlöschend Difficult to ignite / often self-extinguishing
	TEMPERATURBESTÄNDIGKEIT TEMPERATURE RESISTANT	-200 - +327 C°			
	HITZEBESTÄNDIGKEIT HEAT STABILITY	95%			Verlust an Entflammbarkeit Loss on ignition
	SCHMUTZBESTÄNDIGKEIT POLLUTION RESISTANCE	HIGHLY RESISTANT			Undurchlässig für Säuren, Basen, Ketone und UV Imperveous to Acids, Bases, Keytones and UV
	SELBSTREINIGUNGSKRAFT SELF CLEANING CAPACITY	LOW SURFACE POLARITY			Stark hydrophobe Fasern - absorbieren keine Feuchtigkeit oder Chemikalien Highly Hydrophobic fibres will not absorb moisture or chemicals
	KOLLAPSIBILITÄT COLLAPSIBILITY	HUNDREDS OF THOUSANDS OF CYCLES			ASTM D 6182 Höchst flexibles und beständiges Material, ohne effektive Verschlechterung nach hoher Anzahl von Schließvorgängen Highly flexible and tough material with no effective degradation over collaspation cycles
	GEWEBEBREITE FABRIC WIDTH	225 cm			
	GEWEBEDICKE MATERIAL THICKNESS	-	0,385 mm	0,6 mm	
	FARBE COLOR	WHITE / BEIGE			Sonderfarben möglich Special colors available

The PTFE fabric specially developed by MDT-tex must be distinguished from the usual membrane materials made of PTFE-coated or laminated glass, aramid or polyester fiber fabrics. These are very stiff, hard and very kink-sensitive, which is why they are not suitable for foldable applications. The MDT-tex fabric, on the other hand, consists of PTFE multifilaments, which are formed from a plurality of twisted continuous fibres.

MDT-tex[®]

Membranes & Structures

INFORMATION

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