



... more than pipes

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100% RESISTANCE TO UV RADIATION

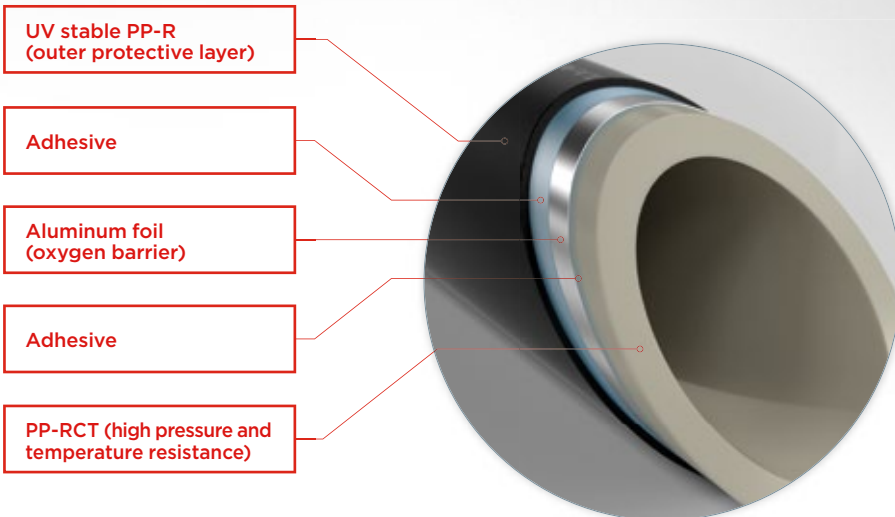
ALUMINUM FOIL REINFORCING

OXYGEN BARRIER ACCORDING TO DIN 4726

NEW GENERATION POLYPROPYLENE PP-RCT

FV PP-RCT STABIOXY UV

UV stable five-layer pipe with aluminium oxygen barrier and low linear thermal expansion $\varnothing 20 - \varnothing 63$ mm



FV AQUA



FV PP-RCT STABIOXY UV

Principle

The outer layer of pipe is made of highly resistant UV stable PPR, while the core is made of the modern PP-RCT material. It lends new features to proven polypropylene pipes. Based on this, a special „β-nucleation“ process greatly improves the crystalline structure of the random PP copolymer, which allows the pipes to work at higher wall stresses at elevated temperatures at the same or lower wall thickness of the pipe. The advantage of FV PP-RCT STABIOXY UV pipes is also a perfect oxygen barrier formed by a layer of aluminum foil.

Main advantages

- Long-lasting UV resistance
- High pressure resistance at a maximum temperature of 90°C
- Higher flow - 20% greater flow profile compared to PP-R pipes
- Oxygen barrier exceeding the requirement of DIN 4726
- 3 times lower thermal expansion compared to PP-R pipes
- Minimum life of 50 years

Appropriate uses

- Uncovered roof and outdoor hot water distribution
- Uncovered roof and outdoor cold water distributions
- Uncovered outdoor heating or cooling circuits
- Air-conditioning circuits supplying fan coils or air-conditioning exchangers

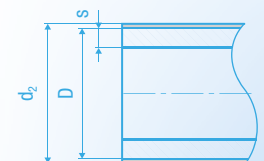
Technical parameters

Colour:	black	Wall composition:	PP-RCT/Al/PP-R
Pressure resistance 70°C:	10 bar	SDR:	7,4 (Ø 20 mm) 9 (Ø 25 – 110 mm)
Pressure resistance 90°C:	8 bar	Series „S“:	3,2 (Ø 20 mm) 4 (Ø 25 – 110 mm)
Linear thermal expansion:	0,05 (mm/mK)	Reinforcement:	aluminium foil



Ø _{ext}	⊕	⊞	⊞	⊞	#	D [mm]	d ₂ [mm]	s [mm]	SDR (S)	l [m]
20 × 2,8	m	100	0,21	0,44	BU114020004	20	22,2	2,8	7,4 (3,2)	4
25 × 2,8	m	60	0,31	0,73	BU114025004	25	27,2	2,8	9 (4)	4
32 × 3,6	m	40	0,47	1,10	BU114032004	32	34,2	3,6	9 (4)	4
40 × 4,5	m	24	0,69	1,83	BU114040004	40	42,2	4,5	9 (4)	4
50 × 5,6	m	16	1,04	2,75	BU114050004	50	52,3	5,6	9 (4)	4
63 × 7,1	m	12	1,57	4,07	BU114063004	63	65,4	7,1	9 (4)	4
75 × 8,4	m	8	2,25	5,50						
90 × 10,1	m	4	3,37	9,17						
110 × 12,3	m	4	5,00	10,31						

Dimension Unit Amount in a large package kg/unit dm³/unit



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