



CONNECT TO BETTER

EKOPLASTIK[®]

**SYSTEM EKOPLASTIK: WATER
DISTRIBUTION, HEATING & COOLING**



Solutions for Essentials

EKOPLASTIK[®]

Water Distribution, Heating & Cooling



CONNECT TO BETTER

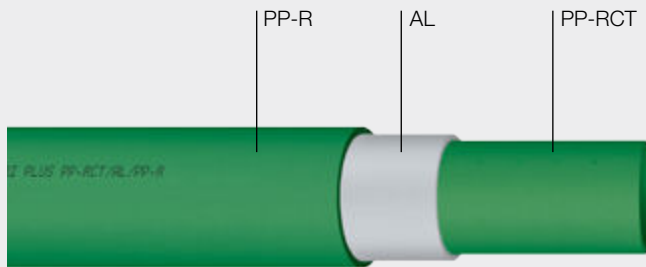
Product Range Basic Information

Major Areas of Application of Individual Pipe



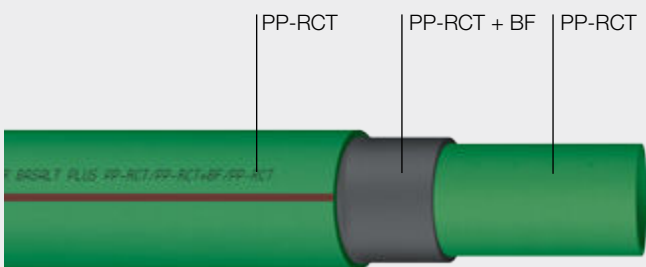
	PPR PN10	PPR PN16	PPR PN20	EVO	STABI PLUS	FIBER BASALT PLUS	FIBER BASALT OXY	FIBER BASALT CLIMA
	Ø 20-125 mm	Ø 16-125 mm	Ø 16-125 mm	Ø 16-125 mm	Ø 16-110 mm	Ø 20-125 mm	Ø 20-63 mm	Ø 20-125 mm
	●	●	●	●	●	●	●	●
		●	●	●	●	●		○
			●	●	●	●	●	
max. 70 °C								
					●	●	●	
max. 90 °C								

Multilayer pipes made from PP-RCT



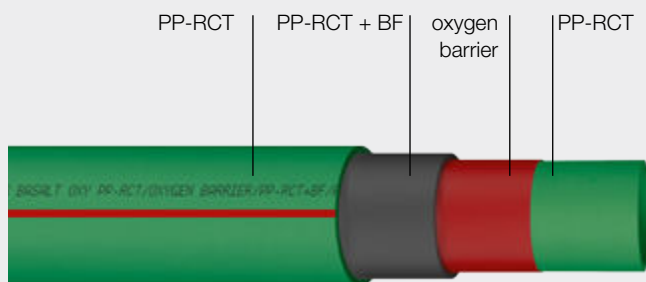
STABI PLUS

- ④ 3x lesser thermal expansion
- ④ oxygen barrier
- ④ heating



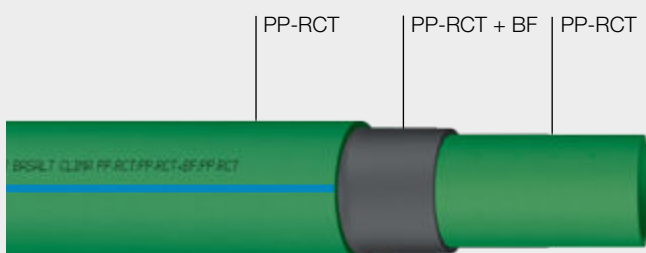
FIBER BASALT PLUS

- ④ 3x lesser thermal expansion
- ④ no need to shave before welding
- ④ hot water, heating



FIBER BASALT OXY **NEW**

- ④ 3x lesser thermal expansion
- ④ new oxygen barrier
- ④ no need to shave before welding
- ④ cold water, air conditioning



FIBER BASALT CLIMA

- ④ 3x lesser thermal expansion
- ④ no need to shave before welding
- ④ cold water, air conditioning

System Ekoplastik

System Ekoplastik is plastic piping system used for hot and cold water distribution in buildings, floor and central heating and airconditioning.

Benefits

- ⦿ high quality PP piping systems from Wavin
- ⦿ includes new 4th generation material PP-RCT
- ⦿ includes unique 3 layer pipes with basalt fiber re-inforcement
- ⦿ new 4 layer pipes with basalt fiber and oxygen barrier
- ⦿ high pressure and temperature resistance

Designation of Pipes S (SDR) instead of PN

Designation of pipes S (SDR) instead of PN In accordance with the ČSN EN ISO15874 and DIN 8077 standards, it is necessary to designate the pipes as „S“ or „SDR“ instead of „PN“.

$$\text{SDR} = 2S + 1$$
$$\text{SDR} \approx D/t$$

Legend:

D = outside diameter

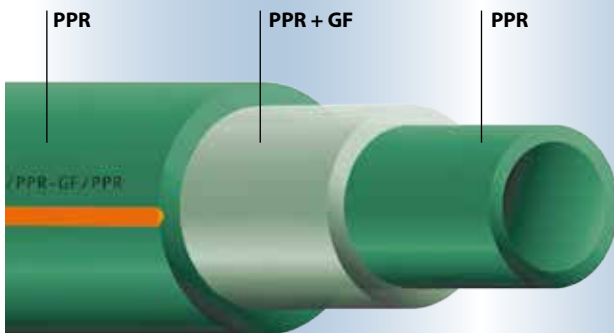
t = the wall thickness

- ⦿ We designate the PPR tubes as „PN“ for historical reasons (it used to be the former designation for the pressurised product range) although the values no longer correspond to the definition above.
 - ⦿ The PP-RCT is a new type of material and the „PN“ designation has not been implemented.
 - ⦿ The operating parameters of the pipes are specified in the designation on the tubes and in the Assembly instructions.
- The catalogue states the „PN“ values for the pipes made of PP-RCT for easier orientation (the „PN“ formula as specified in the standard was used in the calculation).**
- ⦿ The „PN“ designation indicates the permissive operating pressure in bar for maximum temperature 20 °C and service life of 50 years
 - ⦿ For the lowest design coefficient according to „PN“, the standards ČSN EN ISO 15874 and DIN 8077 no longer specify the pipe classification.

FIBER PIPE OF TODAY

Existing benefits and application:

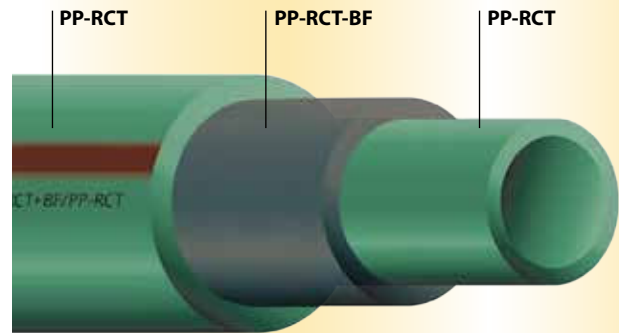
- A pipe in the pressure range PN 16 and PN 20
- 3 × lower linear thermal expansion
- Without shaving before welding



FIBER BASALT PLUS UNIQUE PIPE OF TOMORROW

What improvements does the new BASALT FIBER PLUS pipe bring?

- Higher pressure resistance at higher temperatures by up to **50 %**
- Temperature resistance up to **90 °C**
- Higher flow rate by up to **20 %**
- All this while keeping other features of FIBER pipe:
 - » 3 × lower thermal linear expansion
 - » Without shaving before welding



Comparison of FIBER and FIBER BASALT PLUS parameters:

	FIBER	FIBER BASALT PLUS
	Characteristics	Characteristics
Composition	PPR PPR + GF PPR	PP-RCT PP-RCT + BF PP-RCT
Reinforcement	Glass fiber E-Glass	Basalt fiber Density +8 % Tensile strength +20 %
Pressure resistance according to Class 2 (warm water 70 °C)*	8 bar	10 bar
Pressure resistance according to Class 5 (heating Tmax 90 °C)*	6 bar	8 bar
Wall thickness (flow rate, weight)	S 2,5 (Ø 20-63) S 3,2 (Ø 75-125)	S 3,2 (Ø 20-63) S 4,0 (Ø 75-125)
Linear thermal expansion (mm/m °C)	0,05	0,05
Shaving of pipe before welding	No	No

* valid for Ø 20–63 mm, in accordance with EN ISO 15874

DESCRIPTION

CAT. CODE



PN10 PIPES L=4 m

OD 20 x 2.2 mm
OD 25 x 2.3 mm
OD 32 x 2.9 mm
OD 40 x 3.7 mm
OD 50 x 4.6 mm
OD 63 x 5.8 mm
OD 75 x 6.8 mm
OD 90 x 8.2 mm
OD 110 x 10 mm

TTR020P10X
TTR025P10X
TTR032P10X
TTR040P10X
TTR050P10X
TTR063P10X
TTR075P10X
TTR090P10X
TTR110P10X



PN16 PIPES L=4 m

OD 20 x 2.8 mm
OD 25 x 3.5 mm
OD 32 x 4.4 mm
OD 40 x 5.5 mm
OD 50 x 6.9 mm
OD 63 x 8.6 mm
OD 75 x 10.3 mm
OD 90 x 12.3 mm
OD 110 x 15.1 mm
OD 125 x 17.1 mm

TTR020P16X
TTR025P16X
TTR032P16X
TTR040P16X
TTR050P16X
TTR063P16X
TTR075P16X
TTR090P16X
TTR110P16X
TTR125P16X



PN20 PIPES L=4 m

OD 20 x 3.4 mm
OD 25 x 4.2 mm
OD 32 x 5.4 mm
OD 40 x 6.7 mm
OD 50 x 8.3 mm
OD 63 x 10.5 mm
OD 75 x 12.5 mm
OD 90 x 15.0 mm
OD 110 x 18.3 mm

TTR020P20X
TTR025P20X
TTR032P20X
TTR040P20X
TTR050P20X
TTR063P20X
TTR075P20X
TTR090P20X
TTR110P20X



PPR FIBER BASALT + PIPES L = 4 m (S 3.2)

OD 20 (S3.2)
OD 25 (S3.2)
OD 32 (S3.2)
OD 40 (S3.2)
OD 50 (S3.2)
OD 63 (S3.2)
OD 75 (S4.0)
OD 90 (S4.0)
OD 110 (S4.0)
OD 125 (S4.0)

TTRFB020TRCT
TTRFB025TRCT
TTRFB032TRCT
TTRFB040TRCT
TTRFB050TRCT
TTRFB063TRCT
TTRFB075TRCT
TTRFB090TRCT
TTRFB110TRCT
TTRFB125TRCT

DESCRIPTION

CAT. CODE



ELBOW 90°

20 mm	TKO02090XX
25 mm	TKO02590XX
32 mm	TKO03290XX
40 mm	TKO04090XX
50 mm	TKO05090XX
63 mm	TKO06390XX
75 mm	TKO07590XX
90 mm	TKO09090XX
110 mm	TKO11090XX
125 mm	TKO12590XX



ELBOW 90° INTERNAL/EXTERNAL

20 mm	TKO120XXXX
25 mm	TKO125XXXX
32 mm	TKO132XXXX



ELBOW 45°

20 mm	TKO02045XX
25 mm	TKO02545XX
32 mm	TKO03245XX
40 mm	TKO04045XX
50 mm	TKO05045XX
63 mm	TKO06345XX
75 mm	TKO07545XX
90 mm	TKO09045XX



ELBOW 45° INTERNAL/EXTERNAL

20 mm	TKO12045XX
25 mm	TKO12545XX



EQUAL TEE 90°

20 mm	TTK020XXXX
25 mm	TTK025XXXX
32 mm	TTK032XXXX
40 mm	TTK040XXXX
50 mm	TTK050XXXX
63 mm	TTK063XXXX
75 mm	TTK075XXXX
90 mm	TTK090XXXX
110 mm	TTK110XXXX
125 mm	TTK125XXXX

DESCRIPTION

CAT. CODE



REDUCED TEE 90°

25x20x25 mm
32x20x32 mm
32x25x32 mm
40x20x40 mm
40x25x40 mm
40x32x40 mm
50x32x50 mm
50x40x50 mm
63x32x63 mm
63x40x63 mm
63x50x63 mm

TTKR02520X
TTKR03220X
TTKR03225X
TTKR04020X
TTKR04025X
TTKR04032X
TTKR05032X
TTKR05040X
TTKR06332X
TTKR06340X
TTKR06350X



REDUCED TEE 90° (2 Ends)

25x20x20 mm
32x20x20 mm
32x25x20 mm
32x25x25 mm

TTKR0252020
TTKR0322020
TTKR0322520
TTKR0322525



CROSS PIECE

20 mm
25 mm
32 mm
40 mm

TKRI020XXX
TKRI025XXX
TKRI032XXX
TKRI040XXX



SOCKET

20 mm
25 mm
32 mm
40 mm
50 mm
63 mm
75 mm
90 mm
110 mm

TNA020XXX
TNA025XXX
TNA032XXX
TNA040XXX
TNA050XXX
TNA063XXX
TNA075XXX
TNA090XXX
TNA110XXX



REDUCER

25x20 mm
32x20 mm
32x25 mm

TRE02520XX
TRE03220XX
TRE03225XX

DESCRIPTION

CAT. CODE



REDUCER INTERNAL/EXTERNAL

25x20 mm	TRE12520XX
32x20 mm	TRE13220XX
32x25 mm	TRE13225XX
40x20 mm	TRE14020XX
40x25 mm	TRE14025XX
40x32 mm	TRE14032XX
50x32 mm	TRE15032XX
50x40 mm	TRE15040XX
63x32 mm	TRE16332XX
63x40 mm	TRE16340XX
63x50 mm	TRE16350XX
75x40 mm	TRE17540XE
75x50 mm	TRE17550XE
75x63 mm	TRE17563XX
90x63 mm	TRE19063XX
90x75 mm	TRE19075XX
110x75 mm	TRE111075X
110x90 mm	TRE111090X



END CAP

20 mm	TZA020XXXX
25 mm	TZA025XXXX
32 mm	TZA032XXXX
40 mm	TZA040XXXX
50 mm	TZA050XXXX
63 mm	TZA063XXXX
75 mm	TZA075XXXE
90 mm	TZA090XXXX



CROSS OVER - PN20

20 mm	TKR020P20X
25 mm	TKR025P20X
32 mm	TKR032P20X
40 mm	TKR040P20X



COMPENSATION PIPE - PN20

20 mm	TKS020P20X
25 mm	TKS025P20X
32 mm	TKS032P20X
40 mm	TKS040P20X

DESCRIPTION

CAT. CODE



ADAPTOR

20 mm x 1/2"
20 mm x 3/4"
25 mm x 1/2"
25 mm x 3/4"
32 mm x 1"
40 mm x 5/4"
50 mm x 6/4"
63 mm x 2"
75 mm x 2 1/2"
90 mm x 3"

TZE02020XX
TZE02025XX
TZE02520XX
TZE02525XX
TZE03232XX
TZE04040XX
TZE05050XX
TZE06363XX
TZE07575XX
TZE09090XX



ADAPTORS WITH FEMALE THREAD

20 mm x 1/2"
20 mm x 3/4"
25 mm x 1/2"
25 mm x 3/4"
32 mm x 1"
40 mm x 5/4"
50 mm x 6/4"
63 mm x 2"

TZI02020XX
TZI02025XX
TZI02520XX
TZI02525XX
TZI03232OK
TZI04040XX
TZI05050XX
TZI06363XX



ADAPTOR WITH FEMALE THREAD WITH CROSS

20 mm x 1/2"

TZI02020KX



METAL REDUCER WITH CAP AND NUT

20 mm x 1/2"
20 mm x 3/4"
20 mm x 1"
25 mm x 1"
32 mm x 5/4"

TZM02020XX
TZM02025XX
TZM02032XX
TZM02532XX
TZM03240XX



BEND 90°

20 mm
25 mm

TO02090XXX
TO02590XXX

DESCRIPTION

CAT. CODE



ELBOW 90° WITH MALE THREAD

20 mm x 1/2"
20 mm x 3/4"
25 mm x 1/2"
25 mm x 3/4"
32 mm x 1"

TKOE02020X
TKOE02025X
TKOE02520E
TKOE02525X
TKOE03232X



ELBOW 90° WITH FEMALE THREAD

20 mm x 1/2"
20 mm x 3/4"
25 mm x 1/2"
25 mm x 3/4"
32 mm x 1"

TKOI02020X
TKOI02025X
TKOI02520E
TKOI02525X
TKOI03232X



ELBOW 90° FOR WALL MOUNTING

20 mm x 1/2"
25 mm x 1/2"
25 mm x 3/4"

TNK020XXXX
TNK02520XX
TNK025XXXX



ELBOW 90° FOR WALL MOUNTING

EXTERNAL/INTERNAL
20 mm x 1/2"

TNK120XXXX



ELBOW 90° FOR GYPSUM WALL MOUNTING

20 mm

TNKS020SXX



THREE-WAY ELBOW

20 mm
25 mm
32 mm
40 mm

TKOT020XXX
TKOT025XXX
TKOT032XXX
TKOT040XXX

DESCRIPTION

CAT. CODE



TEE WITH TAP CONNECTOR

20 mm x 1/2"
25 mm x 1/2"

TNKP020XXX
TNKP02520X



WALL MOUNTING GROUP WITH TAP

20 mm x 1/2"
25 mm x 1/2"

TNKK020XXX
TNKK025XXX



WALL MOUNTING GROUP WITH TAP

20 mm x 1/2"

TNKK020SXX



TEE WITH FEMALE THREAD

20 mm x 1/2" x 20 mm
25 mm x 1/2" x 25 mm
25 mm x 3/4" x 25 mm
32 mm x 1" x 32 mm

TTKI02020X
TTKI02520X
TTKI02525X
TTKI03232X



TEE WITH MALE THREAD

20 mm x 1/2" x 20 mm
20 mm x 3/4" x 20 mm
25 mm x 1/2" x 25 mm
25 mm x 3/4" x 25 mm

TTKE02020X
TTKE02025X
TTKE02520X
TTKE02525X



ALL PLASTIC WELD IN SADDLE

63 mm
75 mm
90 mm

TNS06332XX
TNS07532XX
TNS09032XX



WELD IN SADDLE WITH FEMALE THREAD

63 mm x 3/4"
75 mm x 3/4"
90 mm x 3/4"

TNSI06325X
TNSI07525X
TNSI09025X

DESCRIPTION

CAT. CODE



WELD IN SADDLE WITH MALE THREAD

63 mm x 3/4"
75 mm x 3/4"
90 mm x 3/4"

TNSE06325X
TNSE07525X
TNSE09025X



STRAIGHT WAY VALVE

20 mm
25 mm
32 mm
40 mm
50 mm
63 mm

TVE020XXXX
TVE025XXXX
TVE032XXXX
TVE040XXXX
TVE050XXXX
TVE063XXXX



BALL TAP PLASTIC (BALL COCK)

20 mm
25 mm
32 mm
40 mm
50 mm
63 mm

TVEK020XXX
TVEK025XXX
TVEK032XXX
TVEK040XXX
TVEK050XXX
TVEK063XXX



COUPLING WITH NUT

20 mm
25 mm
32 mm
40 mm

TRS020XXXX
TRS025XXXX
TRS032XXXX
TRS040XXXX



FLANGE ADAPTOR

40 mm
50 mm
63 mm
75 mm
90 mm
110 mm

TLN040XXXX
TLN050XXXX
TLN063XXXX
TLN075XXXX
TLN090XXXX
TLN110XXXX

DESCRIPTION

CAT. CODE



FLANGE

40mm/DN32
50mm/DN40
63mm DN50
75mm/DN65
90mm/DN80
110mm/DN100

PRI040NXXX
PRI050NXXX
PRI063NXXX
PRI075NXXX
PRI090NXXX
PRI110NXXX



ELECTRO FUSION SOCKET

63
75
90
110

ENA063XXXX
ENA075XXXX
ENA090XXXX
ENA110XXXX



PLASTIC PIPE CLIP

20 MM
25 MM
32 MM

PRE020TXXX
PRE025TXXX
PRE032TXXX



PIPE CUTTER - SHEAR (PROFI)

UP TO 42MM
UP TO 63 MM

NU042PXXXX
NU063PXXXX



PIPE CUTTER

50 - 140 MM

REZ050140X

DESCRIPTION

CAT. CODE



WELDING SET with adapters 16-63 mm

RSP 2a adapters 16-63
RSP 2aPm adapt. 16-63

SVAKRSP2A6E
SVAKRSP2P6E



WELDING MACHINE ELECTRONIC (FOR PAIRED ADAPTER)

RSP 2aPm

SVARSP2APEL



WELDING MACHINE ELECTRONIC (FOR NON-PAIRED ADAPTER)

RSP 2a SVARSP2AXEL



COMPACT WELDING MACHINE ASSEMBLY JIG MP-125

MP-125 63 - 125 MM

SVAMP125XX

INCLUDES FRAME, STAND WITH WELDING
MACHINE WITH POWER CONSUMPTION
OF 1400 W, CASE WITH ACCESSORIES



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