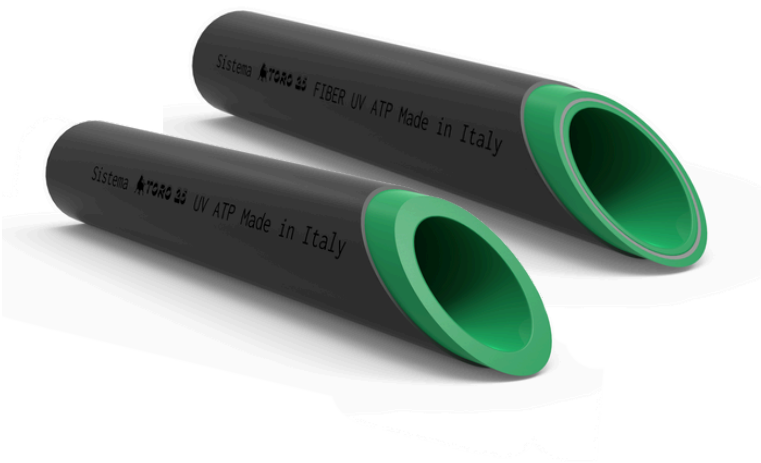
UV PIPE

TORO 25 UV system consists of pipes made of Random Copolymer Polypropylene, externally coated with a special UV layer in additived PP-R, able to ensure protection from ultraviolet radiation.
TORO 25 UV system is suitable for the adduction of hot/cold water for outdoor installations, so it is recommended for external applications that provide contact with sunlight and it is suitable in all application fields of the usual TORO 25 pipes series.
TORO 25 UV system range includes monolayer PP-R pipes (PP-R 100 and PP-R EvO) and three-layer PP-R EvO pipes, Random Copolymer Polypropylene with special and improved crystalline structure, reinforced with glass fiber, classified as TORO 25 FIBER EvO UV: fiber → glass fiber; Evo → PP-R EvO; + UV (PP-R EvO = PP-RCT).
The range includes PN20 pipes with SDR6, SDR7,4 and SDR9.
TORO 25 UV and FIBER EvO UV pipes are perfectly compatible with all TORO 25 system accessories.



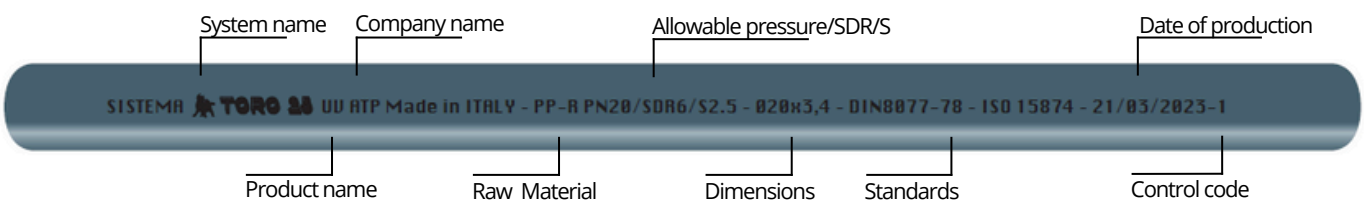
APPLICATION FIELDS

- drinking water and hygienic requirements
- heating-cooling networks
- chilled water and air conditioning (HVAC)
- shipbuilding installation
- industrial equipment and installation
- rainwater application

ADVANTAGES

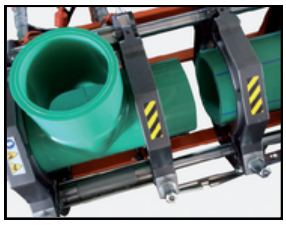
- non-toxic materials
- easy installation
- lightness
- durability
- efficiency and versatility
- no noise and vibration
- safety against frost
- safety against corrosion
- safety against abrasion and deposits
- safety against condensation and heat loss
- safety against stray currents
- 100% recyclable (Green Building Product)

MARKING



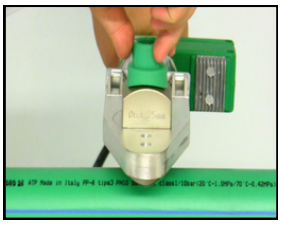
WELDING TECHNIQUES

socket welding



butt welding

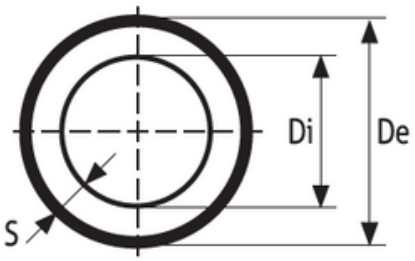
electrofusion

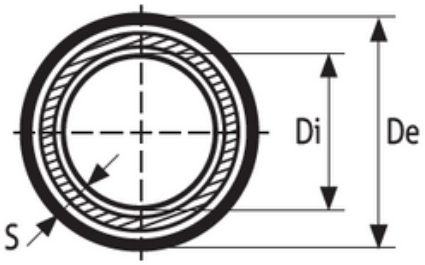


saddle welding

DIMENSIONS

SDR	Article	De mm	Di mm	Wall Thickness (S) mm	Weight Kg/m
PP-R UV - PN20 - SDR6 / S2,5					
6	TUB 20 A20 UV	20	13,2	3,4 (+0,6)	0,204
	TUB 25 A20 UV	25	16,6	4,2 (+0,7)	0,305
	TUB 32 A20 UV	32	21,2	5,4 (+0,8)	0,485
	TUB 40 A20 UV	40	26,6	6,7 (+0,9)	0,734
	TUB 50 A20 UV	50	33,4	8,3 (+1,1)	1,118
	TUB 63 A20 UV	63	42,0	10,5 (+1,3)	1,761
EvO UV - PN20 - SDR7,4 / S3,2					
7,4	TUB 75 A20 EUV	75	54,4	10,3 (+1,3)	2,170
	TUB 90 A20 EUV	90	65,4	12,3 (+1,5)	3,069
	TUB 110 A20 EUV	110	79,8	15,1 (+1,8)	4,515
	TUB 125 A20 EUV	125	90,8	17,1 (+2,0)	5,736
	TUB 160 A20 EUV	160	116,2	21,9 (+2,4)	9,522
FIBER UV PN20 - SDR6 / S2,5					
6	TUB 20 SDR6 FU	20	13,2	3,4 (+0,6)	0,240
	TUB 25 SDR6 FU	25	16,6	4,2 (+0,7)	0,370
FIBER EvO UV PN20 - SDR9 / S4					
9	TUB 32 SDR9 FEU	32	24,8	3,6 (+0,6)	0,418
	TUB 40 SDR9 FEU	40	31,0	4,5 (+0,7)	0,626
	TUB 50 SDR9 FEU	50	38,8	5,6 (+0,8)	0,926
	TUB 63 SDR9 FEU	63	48,8	7,1 (+1,0)	1,368
	TUB 75 SDR9 FEU	75	58,2	8,4 (+1,1)	1,920
	TUB 90 SDR9 FEU	90	69,8	10,1 (+1,3)	2,704
	TUB 110 SDR9 FEU	110	85,4	12,3 (+1,5)	3,920
	TUB 125 SDR9 FEU	125	97,0	14,0 (+1,6)	4,840
	TUB 160 SDR9 FEU	160	124,2	17,9 (+2,0)	7,726





AUTODESK REVIT

PHYSICAL-MECHANICAL CHARACTERISTICS

Hygienic compatibility:	supply of drinking water and food fluids for human consumption
Thermal transmission coefficient:	λ = 0,15 W/m°C
Coefficient of thermal expansion:	monolayer: α = 0,15 mm/m°C three-layer: α = 0,04 mm/m°C
Fire resistance classification:	E (UNI-EN ISO 13501-1:2007)
Internal roughness:	monolayer: μ= 0,0020 mm three-layer: μ= 0,0050 mm
Welding system:	thermofusion; electrofusion
Pipe structure:	monolayer; three-layer
Material:	monolayer: PP-R 100/PP-R EvO + UV three-layer: PP-R 100/PP-R EvO + GF + UV
Finish:	matt
Color:	light green + dark grey external layer
Supply:	4 m rods in sacks
Compatibility with all TORO 25 system PP-R fittings	

For technical and installation warnings, please consult the official catalogue

STANDARD

DIN 8077 / 8078 / 16962	RINA-ASTM D 635:2010
DVS 2207 / 2208	UNI EN 11861-15:2003
EN ISO 15874-2-3-5	ISO 8795:2001
EN ISO 15494	ASTM D 2444:2010
SGBP 2018-1968	WRAS

CERTIFICATIONS