

PRICE LIST October 2012



ecopozzo[®]

Pipes in PP for water wells



price list

Compliant to Health Ministry Decree 174/04

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ENGLISH



KEY

- DN/OD** nominal diameter (series standardised on outside Diameter)
 - ID** Inside diameter
 - SN** Ring stiffness determined according to UNI EN ISO 9969 and expressed in KN/m²
 - SLOT** Slot of reference
- pipe thicknesses: tolerance $\pm 8\%$

PRODUCT CODE

Visit the website www.riccini.it to consult the updated pdfs of our pricelists, catalogues and further information on Riccini products.



Ecopozzo is a pipe suitable for implementing water wells and systems for underground water and fluids uptake.

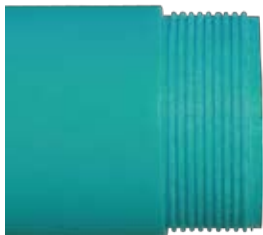
It is entirely manufactured in a **LAST GENERATION POLYPROPYLENE** mixture and therefore is absolutely **NON-TOXIC**, with virtually **NO** release of substances in the fluids. The triple layer walls assure physical and mechanical performance of the utmost excellence; the white inside wall favours video inspections.



Ecopozzo complies with current regulations governing pipes intended for contact with **FRESH WATER** or which can be purified intended for **HUMAN CONSUMPTION** (Health Min. Decree 174/04).

ECOPOZZO IS:

- ▶ without substances toxic for human health
- ▶ resistant to high temperatures
- ▶ resistant to confinement loads and blows
- ▶ ecocompatible



ECOPOZZO HAS SEVERAL FIELDS OF APPLICATION:

- ▶ water wells for household or industrial use
- ▶ environmental reclamation (barrier or monitoring wells at contaminated sites)
- ▶ pilot wells or observation wells
- ▶ wells for cathodic protection systems
- ▶ seismic tests in down-hole



ECOPOZZO IS AVAILABLE WITH TWO TYPES OF JUNCTIONS, BOTH OF WHICH CAN BE SLOTTED AND MICRO-SLOTTED:

- ▶ **SMOOTH SOCKET** coupling
- ▶ **THREAD** coupling (flat coupling without socket, with semitrapezoidal threading in the wall of the pipe)

Ecopozzo does **NOT** contain substances considered **HARMFUL** for health.





ecopozzo is an absolute guarantee to meet the non-toxic requirements of the Health Ministry Decree 174/04. The product meets the requirements of resistance to the corrosive action of stray currents underground and to the aggressive nature of groundwater.

The long operational life of the well is guaranteed thanks to the severity of the inspection tests performed at the Riccini S.r.l. P/C/C Laboratory as mentioned above.

The often critical operating conditions which well pipes must withstand once they have been put in place are simulated by different tests which help to determine:

- ▶ Impact resistance at 20°C, with variable hammer mass from 2,750 to 7,500 Kg from a height of 2000 mm (UNI 7448-75)
- ▶ Crush resistance (in Newton) expressed as the force necessary to obtain a maximum deformation of the outside diameter by 10%
- ▶ Excellent high temperature resistance (e.g: wells drilled at Ischia with water temperature exceeding 90°C)
- ▶ Internal stress/dimensional variations < 5% at 150°C (UNI EN 743)
- ▶ Ring stiffness S determined according to UNI EN ISO 9969 and expressed in KN/m²; this parameter allows the well to be attributed class SN and provides an immediate assessment of pipe durability, by comparison (to see these values, see the technical feature tables of the various pipe diameters and thicknesses).

The excellent overall qualities of **ecopozzo** make it especially suitable to meet the wide range of requirements of all companies operating in the highly specialist field of implementing water wells.

The high-performance standard of **ecopozzo** can be reached and maintained thanks to the precision with which production is carried out and followed: constant monitoring of the raw materials used, high sample frequency, severe laboratory tests, implemented as part of the Riccini Quality System, certified in compliance with Standard ISO 9001:2008, all guarantee the most rigorous and unambiguous traceability of each passage which, starting from last generation PP granules, lead to the production Batch put on the market.



At the top left of the page:
images of the Riccini s.r.l. P/C/C Laboratory

ecopozzo WITH SMOOTH SOCKET COUPLING



fig.1

fig.2

DESCRIPTIVE FEATURES			BLIND		standard package		SLOTING PRICE*				TYPE OF SLOTTING AND NUMBER OF SLOT ROWS
DN/OD Ø outside OD MM	thickness class S (mm)	minimum stiffness class SN (KN/m ²)**	€/m	item code	nr. bars	metres	0.5 mm slot		2.0 mm slot		
							€/m	item code	€/m	item code	
140	6.5	20	14.50	16140SN20	36	180	9.00	16140SN20F305	4.20	16140SN20F320	TYPE 3 FN  3 SLOT ROWS
160	7	12	18.90	16160SN12	36	180	12.00	16160SN12F305	4.40	16160SN12F320	
	8.5	20	22.30	16160SN20				16160SN20F305		16160SN20F320	
180	7	8	19.90	16180SN8	25	125	13.00	16180SN8F305	4.60	16180SN8F320	
	8.5	20	25.30	16180SN20				16180SN20F305		16180SN20F320	
200	7	8	21.90	16200SN8	25	125	14.00	16200SN8F605	6.00	16200SN8F620	
	8.5	12	27.90	16200SN12				16200SN12F605		16200SN12F620	
		20	32.65	16200SN20				16200SN20F605		16200SN20F620	
250	8.5	8	35.66	16250SN8	16	80	16.00	16250SN8F605	6.60	16250SN8F620	TYPE 6 FN  6 SLOT ROWS
	10	12	41.70	16250SN12				16250SN12F605		16250SN12F620	
	13	20	54.50	16250SN20				16250SN20F605		16250SN20F620	
315	8.5	4	44.90	16315SN4	9	45	24.00	16315SN4F605	7.20	16315SN4F620	
	10	8	53.80	16315SN8				16315SN8F605		16315SN8F620	
	13	12	71.70	16315SN12				16315SN12F605		16315SN12F620	
400	10	4	68.20	16400SN4	9	45	30.00	16400SN4F605	8.20	16400SN4F620	

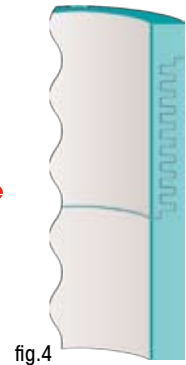
tab.1


Riccini s.r.l. will not be held liable for damage, inconvenience and/or worksite stoppage resulting from or anyhow connected to pipes not slotted at their plants
 *Slotting with other features than those described in the table can be made on demand and in quantities agreed upon, ensuing evaluation and approval by Riccini s.r.l.
 **Referred to blind pipe

DIMENSIONAL AND TECHNICAL FEATURES								slots slots of reference (mm)
DN/OD Ø outside OD MM	thickness class S (mm)	minimum stiffness class SN (KN/m ²)**	ID Ø inside (mm)	Ø outside socket (mm)	minimum total length A+B (mm)	minimum crushing resistance (Newton)		
140	6.5	20	127	153	5120	1750	0.5 / 2.0	
160	7	12	146	175	5120	1750	0.5 / 2.0	
	8.5	20	143	178	5120	2250	0.5 / 2.0	
180	7	8	166	195	5120	1250	0.5 / 2.0	
	8.5	20	163	198	5120	2250	0.5 / 2.0	
200	7	8	186	215	5130	1250	0.5 / 2.0	
	8.5	12	183	218	5130	1750	0.5 / 2.0	
		20	180	222	5130	2250	0.5 / 2.0	
250	8.5	8	233	268	5150	1250	0.5 / 2.0	
	10	12	230	272	5150	1750	0.5 / 2.0	
	13	20	224	279	5150	2250	0.5 / 2.0	
315	8.5	4	298	333	5170	750	0.5 / 2.0	
	10	8	295	337	5170	1250	0.5 / 2.0	
	13	12	289	344	5170	1750	0.5 / 2.0	
400	10	4	380	422	5170	750	0.5 / 2.0	

tab.2

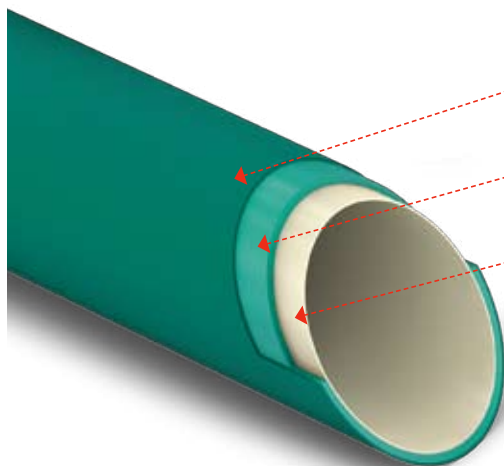
ecopozzo WITH THREADED COUPLING (WITHOUT SOCKET)



DESCRIPTIVE FEATURES			BLIND				standard package		SLOTING PRICE *				TYPE OF SLOTTING AND NUMBER OF SLOT ROWS
DN/OD Ø outside OD MM	thickness class S (mm)	minimum stiffness class SN (KN/m ²)**	€/m	item code	nr. bars	metres	0.5 mm slot		2.0 mm slot				
							€/m	item code	€/m	item code			
114	7.8	40	14.90	16114F	67	335	6.00	16114FF305	3.80	16114FF320	TYPE 3 FN  3 SLOT ROWS		
125	8.4	40	18.65	16125F	51	255	8.00	16125FF305	4.00	16125FF320			
140	8.6	30	23.65	16140F	39	195	9.00	16140FF305	4.20	16140FF320			
160	10.6	35	31.35	16160F	33	165	12.00	16160FF305	4.40	16160FF320			
180	10.8	25	37.50	16180F	22	110	13.00	16180FF305	4.60	16180FF320			
200	11	25	43.90	16200F	18	90	14.00	16200FF605	6.00	16200FF620			
250	13.6	25	65.90	16250F	20	100	16.00	16250FF605	6.60	16250FF620	TYPE 6FN 6 SLOT ROWS (DRAWING see TAB.1)		

Riccini s.r.l. will not be held liable for damage, inconvenience and/or worksite stoppage resulting from or anyhow connected to pipes not slotted at their plants
 *Slotting with other features than those described in the table can be made on demand and in quantities agreed upon, ensuing evaluation and approval by Riccini s.r.l.
 **Referred to blind pipe

DIMENSIONAL AND TECHNICAL FEATURES								
DN/OD Ø outside OD MM	thickness class S (mm)	minimum stiffness class SM (KN/m ²)**	ID Ø inside (mm)	Ø outside socket (mm)	minimum thread length B (mm)	minimum total length A+B (mm)	minimum crushing resistance (Newton)	slots of reference (mm)
114	7.8	40	98.4	114.0	70	5070	2250	0.5 / 2.0
125	8.4	40	108.2	125.0	70	5070	2250	0.5 / 2.0
140	8.6	30	122.8	140.0	70	5070	2250	0.5 / 2.0
160	10.6	35	138.8	160.0	70	5070	2250	0.5 / 2.0
180	10.8	25	158.4	180.0	70	5070	2250	0.5 / 2.0
200	11	25	178.0	200.0	70	5070	2250	0.5 / 2.0
250	13.6	25	222.8	250.0	85	5085	2250	0.5 / 2.0



PROTECTED
STRONG
RESISTANT

ASSOCIATED



The excellent mechanical performance of Ecopozzo derives from the features of the raw materials used and the three layer structure of its walls: outside layer highly resistant to superficial damage, high mechanical stiffness middle layer and high abrasion resistance inside layer.



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