

Ductile cast iron sewerage pipes
comply with the EN 598:2007 standard

Ductile cast iron pipes used in sewerage transportation are one of the products manufactured by Hamoun Nyzeh Company, which are produced in accordance with the international EN 598:2007 standard with a variety of joints including Tyton, R.J Pipe, and Q.R Flex.



The sealing of ductile iron pipes manufactured in Hamoun Nyzeh company can be performed by using two types of Tyton gaskets, including EPDM rubber gasket and Self-Anchoring gasket (equipped with a steel locking system) per ISO4633 and EN681-1 standards. These gaskets are designed to fit in the DIN28603 standard sockets.

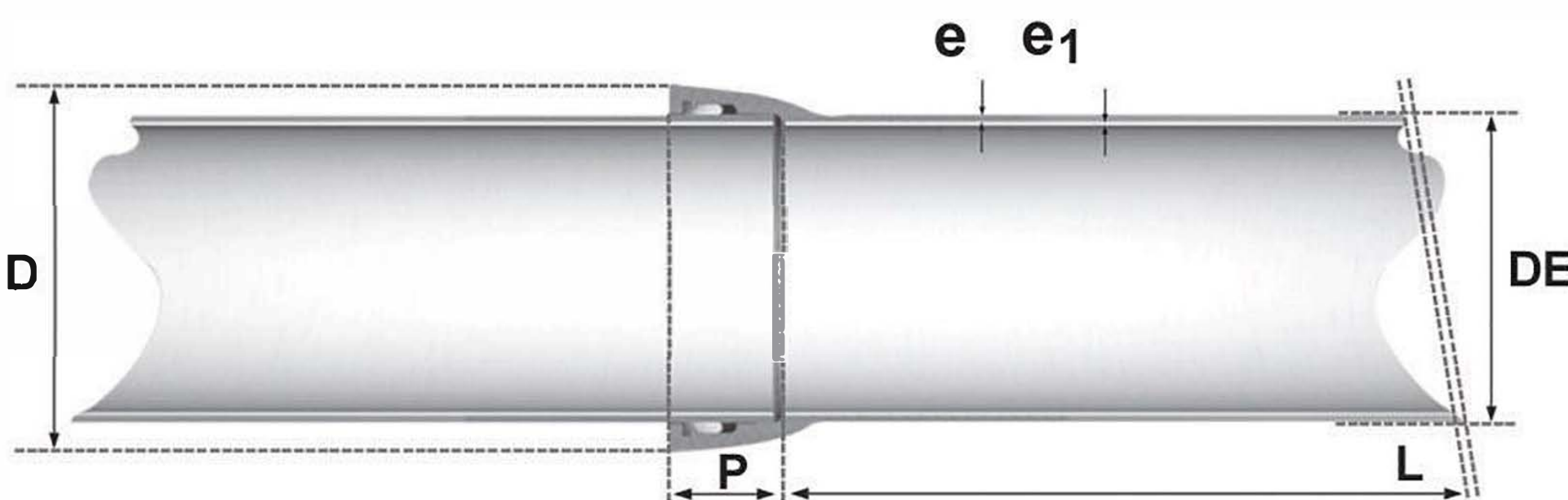
According to the factors of characterizing aggressivity the items in the table below can be used for applying internal and external coatings to ductile iron sewerage pipes.

Unit	Minimum quantity or size	The applied surface	Type of applied coating
gr/m ²	150	External	Zinc-rich paint
gr/m ²	200	External	(Zn %99.99) Pure metal zinc coating
gr/m ²	400	External	(Al%15 – Zn) Zinc-aluminum alloy coating
micrometer	70	External	Finishing layer (synthetic resin or bitumen)
micrometer	700	External	Polyurethane paint
micrometer	800-1000	Internal	Polyurethane paint
According to the specification table of dimensions and weights of ductile iron pipes.		Internal	High alumina cement

One of the distinctive characteristics of high alumina cement, which makes it suitable for lining ductile iron pipes, is capability to withstand environments with a pH greater than 4 and various corrosive elements like Aggressive CO₂, sulfate ions (SO₄⁻), magnesium ions (Mg⁺⁺), and ammonium ions (NH₄⁺).



Specification of dimensions and weights of ductile iron pipes according to EN 598:2007



DN	External diameter DE	Pipe Length L	Nominal thickness e	Cement lining thickness (e1)	Pipe weight with internal cement lining and external coatings
	(mm)	(m)	(mm)	(mm)	(Kg)
80	98	6	4.8	4	77
100	118	6	4.8	4	94
125	144	6	4.8	4	116
150	170	6	4.8	4	138
200	222	6	4.9	4	186
250	274	6	5.3	4	246
300	326	6	5.6	4	309
350	378	6	6.0	5	395
400	429	6	6.3	5	468
450	480	6	6.7	5	555
500	532	6	7.0	5	638
600	635	6	7.7	5	829
700	738	6	9.6	6	1186
800	842	6	10.4	6	1455
900	945	6	11.2	6	1763
1000	1048	6	12.0	6	2082
1100	1152	6	14.4	6	2613
1200	1255	6	15.3	6	3002

The dimensions and weights are in accordance with the EN 598:2007 standard and without tolerance consideration.
Therefore, if you need thickness classes of other ductile iron pipe standards, contact Hanyco's technical experts.

