

CORR-21 PVC PIPE

Corrugated low pressure irrigation, storm water and sanitary sewer applications. (Available in sizes from 12" through 42")

Diamond gravity sewer pipe 12 inches through 42 inches shall be made of compounds conforming to material requirements of ASTM F949 and ASTM F794 in accordance with ASTM D1784. Diamond PVC Corrugated Sewer Pipe has a minimum pipe stiffness of 50 psi and meets all the dimensional, chemical and physical requirements as outlined in ASTM F949 and ASTM F794 and AASHTO M304.

The pipe sizes 12 inches through 42 inches are manufactured with an integral bell "water-tight" joint that meets the requirements of ASTM D3212 and that utilizes an elastomeric seal that meets the requirements of ASTM F477.

Each male end shall be formed to facilitate joining and shall be reference marked for proper insertion depth. Diamond furnished lubricant is to be used in the joining process.

CORR-21™

PHYSICAL PROPERTIES OF ASTM F949, ASTM F794, AASHTO M304-03:

Property	ASTM TEST	Minimum
Specific Gravity	D792	1.42
Tensile Strength, psi	D638	7,000
IZOD Impact Strength	D256	.65ft., lb./in. of notch

Pipe Materials: Pipe shall be made of compounds to the material requirements of ASTM F949 and ASTM F794 in accordance with Specification D1784.



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SPECIFICATION DATA & LOADING CHART



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ASTM F794 & F949 SPECIFICATION DATA CORR-21 IS SUPPLIED IN 14 FOOT LAYING LENGTHS.

Nominal Pipe Size in. (mm)	Average Outside Diameter	Approximate Bell Socket Diameter	Socket Depth	Insert Reference Mark	Minimum Pipe Stiffness
CORR-21™ PIPE DIMENSIONS					
12" (300)	12.795	16-1/2"	7-1/2"	6"	50
15" (375)	15.658	18-1/2"	8"	7-1/2"	50
18" (450)	19.152	22-1/2"	8-1/2"	7"	50
21" (525)	22.630	26-1/2"	10-1/2"	9"	50
24" (600)	25.580	29-1/2"	11-1/2"	10"	50
27" (675)	28.860	33-1/2"	11-1/2"	9"	50
30" (750)	32.150	37"	11-1/2"	9"	50
36" (900)	38.740	44-1/2"	11-1/2"	11"	50
42" (1050)	45.800	52-1/2"	10-1/2"	10"	50

SHORT FORM Specification for PVC Sewer Pipe

Corr-21 PVC Gravity Sewer and Drain Pipe Sizes 12" - 42"

All sewer pipe shall be Diamond Corr-21 PVC corrugated sewer pipe with a seamless profile wall made of compounds classified as 12364 or 12454 as defined in ASTM D1784 and manufactured in accordance with ASTM F949 and ASTM F794. It shall have a minimum pipe stiffness of 50 psi. Pipe shall have a smooth interior with a corrugated cross-sectional rib exterior. Exterior corrugations shall be perpendicular to the axis of the pipe to allow placement of the sealing gasket without additional cutting or machining. It shall have a symmetrical dual three point gasketed joint sealing system with an allowable infiltration of 25 gallons per inch of internal diameter per mile per day or less, and meet the requirements of ASTM D3212. All sewer pipe shall be installed in accordance with ASTM D2321 and the manufacturer's recommendations.

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ASTM F794 & F949 LOADING DATA

Nominal Pipe Size in. (mm)	Average Outside Diameter Inches	Pieces Per Bundle	Pieces Per Truckload 14'jts.	*Feet Per Truckload 14'jts.
PIPE DIMENSIONS				
12" (300)	12.795	9, 12, 16	147	2,058
15" (375)	15.658	9	108	1,512
18" (450)	19.152	4, 6	60	840
21" (525)	22.630	4	48	672
24" (600)	25.580	3	27	378
27" (675)	28.860	3	27	378
30" (750)	32.150	3	27	378
36" (900)	38.740	2	12	168
42" (1050)	45.800	2	12	168

Prices are subject to a firm policy of "Price in effect at time of shipment on regular purchases"

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