

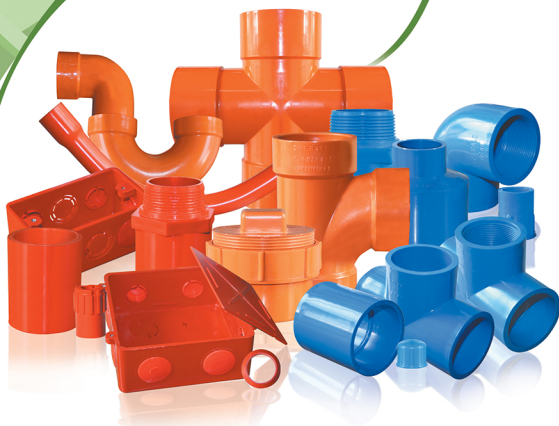


EMERALD

uPVC Pipes and Fittings

One name, One standard of Excellence.

PVC FITTINGS CATALOG



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FITTINGS are essential part of any piping system. They are as important as the pipes themselves in the system. As the cliché goes, "A chain is as strong as its weakest link." In fact, most system failures occur on joints and fittings.

With this in mind, Emerald Vinyl Corporation has invested heavily on tooling, machineries and technology for injection molded fittings. **EMERALD has the widest range and variety of MOLDED FITTINGS.** Emerald piping systems are worry-free and leak-proof; guaranteed to last a lifetime because fabricated fittings are kept to a bare minimum.

Emerald produces 275 different kinds and sizes of molded fittings for various applications.

SANITARY PIPE FITTINGS

Emerald Sanitary fittings are available in ASTM and ISO standards. So far, EVC has invested on 142 moulds for sanitary fittings. Sizes range from 63mm (2 inches) to 315mm (12 inches). Reductions in diameters are achieved using a molded fitting with either a bushing reducer or coupling reducer. The Bushing or Coupling reducers can either be concentric or eccentric. There are 64 different sizes in different varieties of fittings of this kind.

IN-HOUSE POTABLE WATER PIPE FITTINGS

EVC has also given much consideration to the need for Potable Water Pipe Fittings. Emerald has a complete size range of molded fittings. These include couplings, elbows, tees, either threaded or socket type. Sockets are extra deep to ensure worry free connections. Our fittings are larger than any other available brand in the market. Molded fittings for potable water piping system are available in 14 varieties and 88 different sizes.

ELECTRICAL PIPE FITTINGS

For Electrical piping installations, we have 57 moulds for 11 varieties of fittings. Junction boxes and Utility boxes come with easy to remove plugs and built-in screw nuts for ease of use. All our electrical fittings are designed to ensure easy and safe pulling of wires. Our conduit elbows are long sweep or long radius. It has always been the preferred brand in feeder line installations.

INTRODUCTION

Emerald Vinyl Corporation produces its products under a Quality Management System and is certified as compliant to ISO9001:2008 standards by Certification International, Inc. which is licensed by UKAS from United Kingdom.

"Simply Incomparable" are two words that best describe Emerald Pipes and Fittings' unsurpassed reputation as a top quality piping system that exceeds the exacting standards of architects and engineers engaged in the construction industry.

Emerald produces its products in accordance to the following Standards:

PNS 14: 1983 for Electrical

PNS 65: for Potable water

ISO 3633: 1991 For Sanitary

ASTM D2729: 89 for Sanitary Pipes and Fittings

ISO 4435: 1991 for Sanitary Pipes and Fittings

Emerald Vinyl Corporation offers the widest size range of moulded Fitting products for Electrical, Sanitary and Potable water piping systems. Furthermore, EVC produces big moulded fittings for sanitary pipes up to 12" in diameter.

There are general types of fittings that Emerald Vinyl Corporation produces, the first is the moulded fittings. These fittings are made via injection process using moulds specially designed for efficiency.

The second type is the Fabricated Fittings. These are hand made by highly skilled personnel using finest welding process and materials.

The third type is the hybrid fittings. In these products, the main component is injection moulded and combined with reducers which are also injection moulded.

MOULDED AND FABRICATED ULTIMA SANITARY/SEWER FITTINGS MATRIX								
ITEMS	SIZES							
(ASTM) SYSTEM	63mm	90mm	110mm	160mm	200mm	250mm	315mm	400mm
Bend 1/8 (45) DH	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Fabricated
Bend 1/4 (90) DH	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Fabricated
Bend 1/4 (90) SH	Moulded							
San Tee	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Fabricated
San Wye	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Fabricated	Fabricated
San Cross Tee	Moulded	Moulded	Moulded	Moulded	Fabricated	Fabricated	Fabricated	Fabricated
San Cross Wye	Moulded	Moulded	Moulded	Moulded	Fabricated	Fabricated	Fabricated	Fabricated
Coupling	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	
C.O. Adapter	Moulded	Moulded	Moulded	Moulded	Fabricated	Fabricated	Fabricated	
C.O. Plug	Moulded	Moulded	Moulded					
U-Trap	Moulded	Moulded	Moulded					
P-Trap Cap	Moulded	Moulded	Moulded					
REDUCERS	90x63	110x63	110x90	160x63	160x90	160x110	200x63	200x90
San Tee Reducer	see note	Moulded	see note	see note	see note	Moulded	see note	see note
San Wye Reducer	Moulded	Moulded	see note	see note	see note	Moulded	see note	see note
Cross Tee Reducer	see note	see note	see note	see note	see note	see note	Fabricated	Fabricated
Cross Wye Reducer	see note	see note	see note	see note	see note	see note	Fabricated	Fabricated
Concentric Bushing Reducer	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded
Eccentric Coupling Reducer	Moulded	Moulded	Moulded		Moulded	Moulded		
REDUCERS	200x110	200x160	250x110	250x160	250x200	315x160	315x200	315x250
San Tee Reducer	see note	see note	see note	see note	Moulded	Fabricated	Fabricated	Moulded
San Wye Reducer	see note	see note	Fabricated	Fabricated	Moulded	Fabricated	Fabricated	Fabricated
Cross Tee Reducer	Fabricated	Fabricated						
Cross Wye Reducer	Fabricated	Fabricated	Fabricated	Fabricated	Fabricated			
Concentric Bushing Reducer	Moulded	Moulded						
Eccentric Coupling Reducer	Moulded	Moulded						
	63x40 mm	63x50 mm	3"					
Tapped Tee	Moulded	Moulded						
Tileable Drain			Moulded					

NOTE: Use in combination with either Concentric Bushing Reducer or Eccentric Coupling Reducer



EMERALD ULTIMA SANITARY 1/8 BEND (45°) DOUBLE HUB

NOMINAL SIZE		Code	Type
in.	mm.		
2"	63	11063	MOULDED
3"	90	11090	MOULDED
4"	110	11110	MOULDED
6"	160	11160	MOULDED
8"	200	11200	MOULDED
10"	250	11250	MOULDED
12"	315	11300	MOULDED
		UNIT mm	

EMERALD ULTIMA SANITARY 1/4 BEND (87.5°) DOUBLE HUB

NOMINAL SIZE		Code	Type
in.	mm.		
2"	63	12063	MOULDED
3"	90	12090	MOULDED
4"	110	12110	MOULDED
6"	160	12160	MOULDED
8"	200	12200	MOULDED
10"	250	12250	MOULDED
12"	315	12315	MOULDED
		UNIT mm	



EMERALD ULTIMA SANITARY ELBOW 1/4 BEND SINGLE HUB

NOMINAL SIZE		Code	Type
in.	mm.		
2"	63	13065	MOULDED
3"	90	13090	MOULDED
4"	110	13110	MOULDED
		UNIT mm	

NOTE: Use in combination with either Concentric Bushing Reducer or Eccentric Coupling Reducer



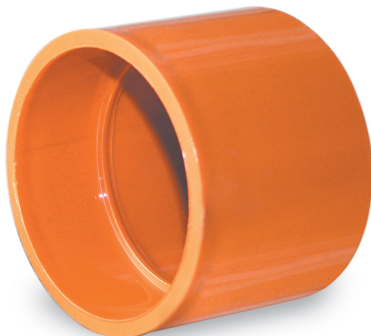
EMERALD ULTIMA SANITARY U-TRAP

NOMINAL SIZE		Code	Type
in.	mm.		
2"	63	56063	MOULDED
3"	90	56090	MOULDED
4"	110	56110	MOULDED
			UNIT mm



EMERALD ULTIMA SANITARY CLEAN OUT ADAPTER/PLUG

NOMINAL SIZE		Code	Type
in.	mm.		
2"	63	16063	MOULDED
3"	90	16090	MOULDED
4"	110	16110	MOULDED
6"	160	16160	MOULDED
8"	200	16200	SEE NOTE
			UNIT mm



EMERALD ULTIMA SANITARY COUPLING

NOMINAL SIZE		Code	Type
in.	mm.		
2"	63	17063	MOULDED
3"	90	17090	MOULDED
4"	110	17110	MOULDED
6"	160	17160	MOULDED
8"	200	17200	MOULDED
10"	250	17250	MOULDED
12"	315	17315	MOULDED
			UNIT mm

NOTE: Use in combination with either Concentric Bushing Reducer or Eccentric Coupling Reducer



EMERALD ULTIMA SANITARY TAP TEE W/ CAP

NOMINAL SIZE	mm.	Code	Type
2"x1 1/4"	63x40	63240	MOULDED
2"x1 1/2"	63x50	63250	MOULDED
UNIT mm			



EMERALD ULTIMA SANITARY TEE REDUCER

NOMINAL SIZE	mm.	Code	Type
3"x2"	90x63	273x2	SEE NOTE
4"x2"	110x63	274x2	MOULDED
4"x3"	110x90	274x3	SEE NOTE
6"x4"	160x110	276x4	MOULDED
6"x2"	160x63	276x2	SEE NOTE
6"x3"	160x90	276x3	SEE NOTE
8"x2"	200x63	278x2	SEE NOTE
8"x3"	200x90	278x3	SEE NOTE
8"x4"	200x110	278x4	SEE NOTE
8"x6"	200x160	278x6	SEE NOTE
10"x2"	250x63	27102	SEE NOTE
10"x3"	250x90	27103	SEE NOTE
10"x4"	250x110	27104	SEE NOTE
10"x6"	250x160	27106	SEE NOTE
10"x8"	250x200	27108	MOULDED
12"x6"	315x160	27126	SEE NOTE
12"x8"	315x200	27128	SEE NOTE
12"x10"	315x250	27250	MOULDED
UNIT mm			

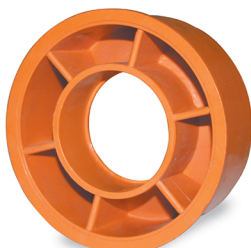
EMERALD ULTIMA SANITARY TEE (87.5°)

NOMINAL SIZE	mm.	Code	Type
2"x2"	63x63	22063	MOULDED
3"x3"	90x90	22090	MOULDED
4"x4"	110x110	22110	MOULDED
6"x6"	160x160	22160	MOULDED
8"x8"	200x200	22200	MOULDED
10"x10"	250x250	22250	MOULDED
12"x12"	315x315	22315	MOULDED
UNIT mm			



EMERALD ULTIMA SANITARY WYE (45°)

NOMINAL SIZE	mm.	Code	Type
2"x2"	63x63	22063	MOULDED
3"x3"	90x90	22090	MOULDED
4"x4"	110x110	23110	MOULDED
6"x6"	160x160	23160	MOULDED
8"x8"	200x200	23200	MOULDED
10"x10"	250x250	23250	MOULDED
UNIT mm			



EMERALD ULTIMA CONCENTRIC BUSHING REDUCER

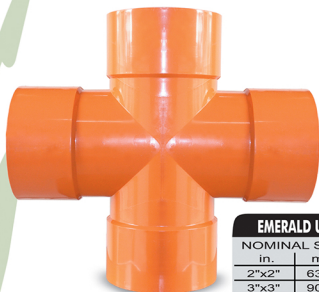
NOMINAL SIZE	mm.	Code	Type
3"x2"	90x63	243x2	MOULDED
4"x2"	110x63	244x2	MOULDED
4"x3"	110x90	244x3	MOULDED
6"x2"	160x63	246x2	MOULDED
6"x3"	160x90	246x3	MOULDED
6"x4"	160x110	246x4	MOULDED
8"x2"	200x63	248x2	MOULDED
8"x3"	200x90	248x3	MOULDED
8"x4"	200x110	248x4	MOULDED
8"x6"	200x160	248x6	MOULDED
UNIT mm			

EMERALD ULTIMA SANITARY WYE REDUCER

NOMINAL SIZE	mm.	Code	Type
3"x2"	90x63	263x2	SEE NOTE
4"x2"	110x63	263x3	MOULDED
4"x3"	110x90	264x2	SEE NOTE
6"x3"	160x63	286x2	SEE NOTE
6"x4"	160x110	286x4	MOULDED
6"x3"	160x90	286x3	SEE NOTE
8"x2"	200x63	288x2	SEE NOTE
8"x3"	200x90	288x3	SEE NOTE
8"x4"	200x110	288x4	SEE NOTE
8"x6"	200x160	288x6	SEE NOTE
10"x8"	250x200	28108	MOULDED
UNIT mm			



NOTE: Use in combination with either Coupling Reducer, Concentric Bushing Reducer or Eccentric Coupling Reducer



EMERALD ULTIMA SANITARY CROSS TEE

NOMINAL SIZE		Code	Type
in.	mm.		
2"x2"	63x63	20063	MOULDED
3"x3"	90x90	20090	MOULDED
4"x4"	110x110	20110	MOULDED
6"x6"	160x160	20160	MOULDED
UNIT mm			



EMERALD ULTIMA SANITARY CROSS WYE REDUCER

NOMINAL SIZE		Code	Type
in.	mm.		
4"x2"	110x63	264x2	SEE NOTE
4"x3"	11090	264x3	SEE NOTE
6"x2"	160x63	266x2	SEE NOTE
6"x3"	160x90	266x3	SEE NOTE
6"x4"	160x110	266x4	SEE NOTE
UNIT mm			



EMERALD ULTIMA CROSS WYE

NOMINAL SIZE		Code	Type
in.	mm.		
2"x2"	63x63	212x2	MOULDED
3"x3"	90x90	213x3	MOULDED
4"x4"	110x110	21110	MOULDED
6"x6"	160x160	21160	MOULDED
UNIT mm			



EMERALD ULTIMA ECCENTRIC REDUCER COUPLING

NOMINAL SIZE		Code	Type
in.	mm.		
3"x2"	90x63	253x2	MOULDED
4"x2"	110x63	254x2	MOULDED
4"x3"	110x90	254x3	MOULDED
6"x3"	160x90	256x3	MOULDED
6"x4"	160x110	256x4	MOULDED
8"x4"	200x110	258x4	MOULDED
8"x6"	200x160	258x6	MOULDED
UNIT mm			



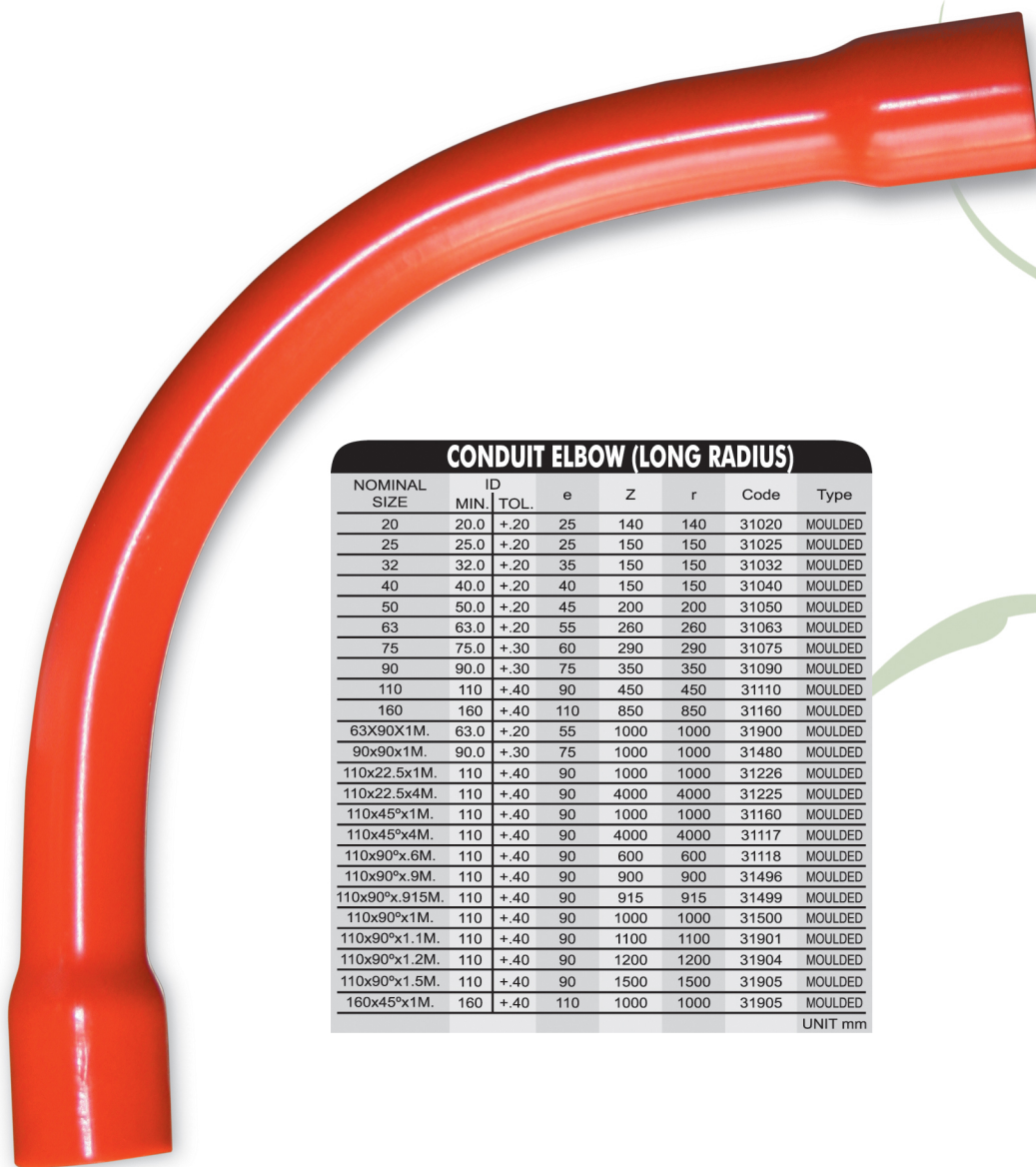
EMERALD ULTIMA SANITARY CROSS TEE REDUCER

NOMINAL SIZE		Code	Type
in.	mm.		
3"x2"	90x63	613x2	SEE NOTE
4"x2"	110x63	614x2	SEE NOTE
4"x3"	110x90	614x3	SEE NOTE
6"x2"	160x63	616x2	SEE NOTE
6"x3"	160x90	616x3	SEE NOTE
6"x4"	160x110	616x4	SEE NOTE
UNIT mm			

NOTE: Use in combination with either Coupling Reducer, Concentric Bushing Reducer or Eccentric Coupling Reducer

MOULDED AND FABRICATED ELECTRICAL FITTINGS MATRIX

ITEMS	20mm	25mm	32mm	40mm	50mm	63mm	75mm	90mm	110mm	110mm
Coupling	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded
Male Adapter	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	
Condulet Box & Cover	Moulded	Moulded	Moulded							
Box Bushing	Moulded	Moulded								
Lock nut & Bushing	Moulded									
Box Connector	Moulded	Moulded	Moulded							
Conduit Elbow	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded
End Bell	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded
	4x2mm	4x4mm								
Junction Box & Cover		Moulded								
Square Box Cover		Moulded								
Utility Box	Moulded									



CONDUIT ELBOW (LONG RADIUS)

NOMINAL SIZE	ID MIN.	ID TOL.	e	Z	r	Code	Type
20	20.0	+20	25	140	140	31020	MOULDED
25	25.0	+20	25	150	150	31025	MOULDED
32	32.0	+20	35	150	150	31032	MOULDED
40	40.0	+20	40	150	150	31040	MOULDED
50	50.0	+20	45	200	200	31050	MOULDED
63	63.0	+20	55	260	260	31063	MOULDED
75	75.0	+30	60	290	290	31075	MOULDED
90	90.0	+30	75	350	350	31090	MOULDED
110	110	+40	90	450	450	31110	MOULDED
160	160	+40	110	850	850	31160	MOULDED
63X90X1M.	63.0	+20	55	1000	1000	31900	MOULDED
90x90x1M.	90.0	+30	75	1000	1000	31480	MOULDED
110x22.5x1M.	110	+40	90	1000	1000	31226	MOULDED
110x22.5x4M.	110	+40	90	4000	4000	31225	MOULDED
110x45°x1M.	110	+40	90	1000	1000	31160	MOULDED
110x45°x4M.	110	+40	90	4000	4000	31117	MOULDED
110x90°x.6M.	110	+40	90	600	600	31118	MOULDED
110x90°x.9M.	110	+40	90	900	900	31496	MOULDED
110x90°x.915M.	110	+40	90	915	915	31499	MOULDED
110x90°x1M.	110	+40	90	1000	1000	31500	MOULDED
110x90°x1.1M.	110	+40	90	1100	1100	31901	MOULDED
110x90°x1.2M.	110	+40	90	1200	1200	31904	MOULDED
110x90°x1.5M.	110	+40	90	1500	1500	31905	MOULDED
160x45°x1M.	160	+40	110	1000	1000	31905	MOULDED

UNIT mm



MALE ADAPTER		
NOMINAL SIZE	Code	Type
20	37020	MOULDED
25	37025	MOULDED
32	37032	MOULDED
40	37040	MOULDED
50	37050	MOULDED
63	37063	MOULDED
75	37075	MOULDED
90	37090	MOULDED
110	37110	MOULDED
		UNIT mm



ELECTRICAL JUNCTION BOX



COUPLING		
NOMINAL SIZE	Code	Type
20	34020	MOULDED
25	34025	MOULDED
32	34032	MOULDED
40	34040	MOULDED
50	34050	MOULDED
63	34063	MOULDED
75	34075	MOULDED
90	34090	MOULDED
110	340110	MOULDED
		UNIT mm

ELECTRICAL SQUARE BOX

ELECTRICAL UTILITY BOX



**ELECTRICAL LOCKNUT AND BUSHING**

NOMINAL SIZE	Code	Type
20	36020	MOULDED
UNIT mm		

**BOX CONNECTOR**

NOMINAL SIZE	Code	Type
20	30020	MOULDED
25	30025	MOULDED
32	30032	MOULDED
UNIT mm		

**BOX BUSHING**

NOMINAL SIZE	Code	Type
20	29020	MOULDED
25	29025	MOULDED
UNIT mm		

**END BELL**

NOMINAL SIZE	Code	Type
20	35020	MOULDED
25	35025	MOULDED
32	35032	MOULDED
40	35040	MOULDED
50	35050	MOULDED
63	35063	MOULDED
75	35075	MOULDED
90	35090	MOULDED
110	35110	MOULDED
160	35160	MOULDED
UNIT mm		

**CONDUIT BOX**

NOMINAL SIZE	Code	Type
20	57020	MOULDED
25	57025	MOULDED
32	57032	MOULDED
UNIT mm		

MOULDED AND FABRICATED IN-HOUSE BLUE FITTINGS MATRIX

ITEMS	20mm	25mm	32mm	40mm	50mm	63mm	75mm	90mm	110mm	
Coupling	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded				
Male Adapter (NPT)	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	
Female Adapter (NPT)	Moulded	Moulded								
Threaded Elbow (NPT)	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded				
Water Elbow	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded				
Water Tee	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded				
Threaded Tee (NPT)	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded				
End Cap	Moulded	Moulded								
	20x20	32x25	32x20	40x20	40x25	40x32	50x20	50x25	50x32	50x40
Coupling Reducer	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded
Water Tee Reducer	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded
Water Elbow Reducer	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded	Moulded
	63x20	63x25	63x32	63x40	63x50					
Coupling Reducer	Moulded	Moulded	Moulded	Moulded	Moulded					
Water Tee Reducer	Moulded	Moulded	Moulded	Moulded	Moulded					
Water Elbow Reducer	Moulded	Moulded	Moulded	Moulded	Moulded					

EMERALD IN-HOUSE BLUE THREADED WATER ELBOW (NPT)

NOMINAL SIZE	Code	Type
20	44020	MOULDED
25	44025	MOULDED
32	44032	MOULDED
40	44040	MOULDED
50	44050	MOULDED
63	37063	MOULDED
UNIT mm		

EMERALD IN-HOUSE BLUE WATER ELBOW REDUCER

NOMINAL SIZE	Code	Type
25x20	62025	MOULDED
32x30	62033	MOULDED
32x25	62032	MOULDED
40x20	62036	MOULDED
40x25	62040	MOULDED
40x32	62037	MOULDED
50x20	62035	MOULDED
50x25	62041	MOULDED
50x32	62034	MOULDED
50x40	62068	MOULDED
63x20	62063	MOULDED
63x25	62064	MOULDED
63x32	62067	MOULDED
63x40	62065	MOULDED
63x50	62066	MOULDED
UNIT mm		

EMERALD IN-HOUSE BLUE WATER ELBOW

NOMINAL SIZE	Code	Type
20	44020	MOULDED
25	44025	MOULDED
32	44032	MOULDED
40	44040	MOULDED
50	44050	MOULDED
63	44063	MOULDED
UNIT mm		



EMERALD IN-HOUSE BLUE THREADED WATER TEE (NPT)

NOMINAL SIZE	Code	Type
20	45020	MOULDED
25	45025	MOULDED
32	45032	MOULDED
40	45040	MOULDED
50	45050	MOULDED
63	45063	MOULDED
UNIT mm		



EMERALD IN-HOUSE BLUE WATER TEE

NOMINAL SIZE	Code	Type
20	45020	MOULDED
25	45025	MOULDED
32	45032	MOULDED
40	45040	MOULDED
50	45050	MOULDED
63	45063	MOULDED
UNIT mm		



EMERALD IN-HOUSE BLUE END CAP

NOMINAL SIZE	Code	Type
20	52020	MOULDED
25	52025	MOULDED
UNIT mm		



EMERALD IN-HOUSE BLUE MALE ADAPTER (NPT)

NOMINAL SIZE	Code	Type
20	49020	MOULDED
25	49025	MOULDED
32	49032	MOULDED
40	49040	MOULDED
50	49050	MOULDED
63	49063	MOULDED
75	49075	MOULDED
90	49090	MOULDED
110	49110	MOULDED
UNIT mm		



EMERALD IN-HOUSE BLUE COUPLING REDUCER

NOMINAL SIZE	Code	Type
25x20	53025	MOULDED
32x30	53031	MOULDED
32x25	53032	MOULDED
40x20	53041	MOULDED
40x25	53039	MOULDED
40x32	53040	MOULDED
50x20	53080	MOULDED
50x25	53051	MOULDED
50x32	53052	MOULDED
50x40	53079	MOULDED
63x20	53060	MOULDED
63x25	53061	MOULDED
63x32	53062	MOULDED
63x40	53065	MOULDED
63x50	53063	MOULDED
UNIT mm		



EMERALD IN-HOUSE BLUE FEMALE ADAPTER (NPT)

NOMINAL SIZE	Code	Type
20	49020	MOULDED
25	49025	MOULDED
UNIT mm		



EMERALD IN-HOUSE BLUE COUPLING

NOMINAL SIZE	Code	Type
20	43020	MOULDED
25	43025	MOULDED
32	43032	MOULDED
40	43040	MOULDED
50	43050	MOULDED
63	43063	MOULDED
UNIT mm		



EMERALD IN-HOUSE BLUE WATER TEE REDUCER

NOMINAL SIZE	Code	Type
25x20	51025	MOULDED
32x30	51032	MOULDED
32x25	51033	MOULDED
40x20	51039	MOULDED
40x25	51040	MOULDED
40x32	51041	MOULDED
50x20	51050	MOULDED
50x25	51051	MOULDED
50x32	51052	MOULDED
50x40	51053	MOULDED
63x20	51063	MOULDED
63x25	51064	MOULDED
63x32	512x1	MOULDED
63x40	51065	MOULDED
63x50	51066	MOULDED
UNIT mm		



EMERALD VINYL CORPORATION

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