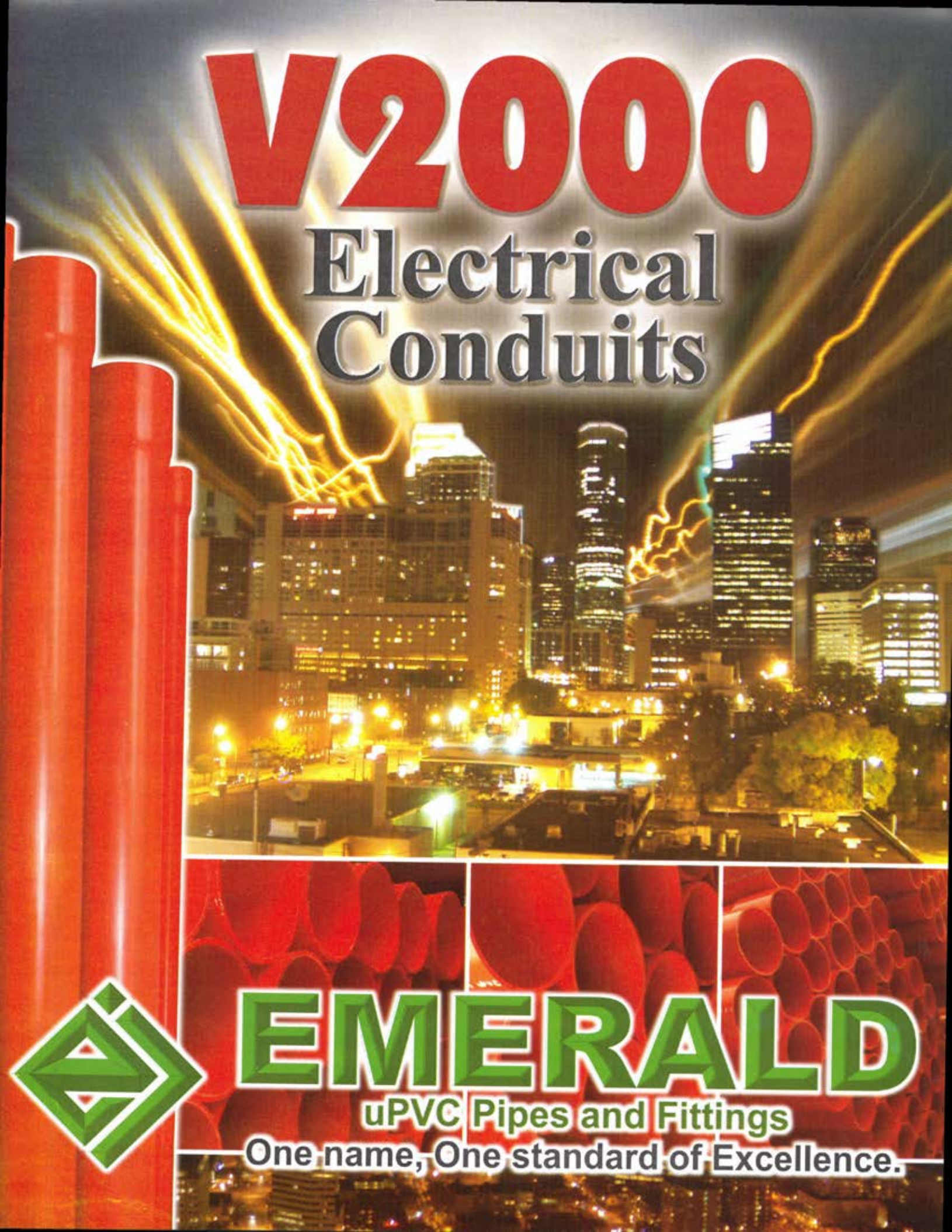
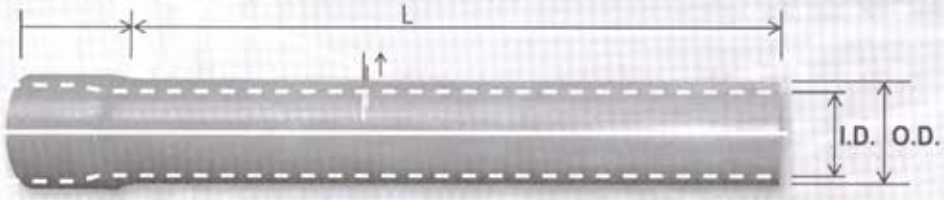

V2000
Electrical
Conduits
EMERALD
uPVC Pipes and Fittings
One name, One standard of Excellence.



PIPES

STANDARD DIMENSIONS AND TOLERANCES FOR uPVC PIPES FOR V-2000 ELECTRICAL CONDUIT (PNS 14)

NOMINAL SIZE		O.D.	WALL THICKNESS THICK WALL mm	
mm	inches	mm	min.	max.
20	1/2	20	2.2	2.62
25	3/4	25	2.3	2.73
32	1	32	2.4	2.84
40	1 1/4	40	2.4	2.84
50	1 1/2	50	2.4	2.87
63	2	63	2.5	2.98
75	2 1/2	75	2.9	3.39
90	3	90	3.5	4.02
110	4	110	4.2	4.82
160	6	160	6.1	6.91

SPECIAL FEATURES

DIELECTRIC STRENGTH

No breakdown shall occur, when Emerald Pipes are subject to a voltage of 2000V of substantially sine-wave form and having a frequency of 60 Hz for 15 minutes between electrodes.

Emerald V-2000 has been tested at 50,000 volts
Superior Impact Strength at least 7x higher than BPS Standard

FITTINGS


END BELL


BOX BUSHING


CONDUIT ELBOW


LOCK NUT & BUSHING


MALE ADAPTER


COUPLING


UTILITY BOX


SQUARE BOX W/COVER


JUNCTION BOX W/COVER

PHYSICAL AND MECHANICAL PROPERTIES

PROPERTY	UNIT	VALUE	TEST METHOD
Vicat Softening Temperature, Minimum	°C	76	PN / ISO 2507
Heat Reversion, Maximum	%	5	PNS 14: 1983
Water Absorption, Maximum	g/m2	40	PNS / ISO 2508
Tensile Strength at 28°C Minimum	MPa	27.5	PNS 14: 1983
Resistance to External Blows at 28°C Max.	% (TIR)	10	PNS / ISO 3127
Elongation at break, Minimum	%	15	PNS 14: 1983
Resistance to Acetone	PASSED	PASSED	PNS / ISO 3472

JOINTING METHOD

uPVC pipes and fitting are joined by solvent cement. For perfectly effective results, use Emerald PVC Solvent Cement, available in 100 cc, 200 cc, 400 cc and 1 gal.

PHILIPPINE STANDARD REFERENCE
Bureau of Product Standards PNS 14: 1983
Department of Trade and Industry, RP

INTERNATIONAL STANDARD REFERENCE
ASTM as per Designation D2241 ISO 2507, 2508, 3127, 3472