

ValueSpec is an advocacy of NELTEX to encourage Designers, Developers & Stakeholders to place Value in their Specifications. The notion is: "To get the right Quality, everyone must place Value on Specification Writing."

PowerGuard Specifications

Powerguard Pipes	Conform to PNS 14: 1983 80 Joules Izod Impact and 55 MPa Tensile Strength For embedded application, use Thinwall and for exposed application, use Thickwall.
Composition	Made with 90% K65 Resin by Mass
Jointing	Gasket Type: Machine-Installed Powerlock (Fixed Seal Socket) Gaskets to be made of Engineered Natural Rubber homogenously bonded to a stiff PP ring Socket Type: Use only Neltex PVC Pipe cement
Toxicity	Pipes to be Heavy Metal-Free (HMF) as validated through Inductively Coupled Plasma Optical Emission Spectrometry (ICP OES) method. (Mercury, Cadmium, Tin & Lead must not be present)
Markings	Pipes to be marked using Continuous Ink Jet (CIJ) Printing Method With traceability codes

POWERGUARD PIPES		
POWERGUARD 8055		
ND	DN	Min. Pipe Thickness
1/2"	20 mm	2.2 mm
3/4"	25 mm	2.3mm
1"	32 mm	2.4 mm
1 1/4"	40 mm	2.4 mm
1 1/2"	50 mm	2.4 mm
2"	63 mm	2.5 mm
2 1/2"	75 mm	2.9 mm
3"	90 mm	3.5 mm
4"	110 mm	4.2 mm

POWERGUARD FITTINGS			
POWERGUARD CONDUIT ELBOWS		POWERGUARD END BELL	
ND	DN	ND	DN
1/2"	20 mm	1/2"	20 mm
3/4"	25 mm	3/4"	25 mm
1"	32 mm	1"	32 mm
1 1/4"	40 mm	1 1/4"	40 mm
1 1/2"	50 mm	1 1/2"	50 mm
2"	63 mm	2"	63 mm
2 1/2"	75 mm	2 1/2"	75 mm
3"	90 mm	3"	90 mm
4"	110 mm	4"	110 mm

ELECTRICAL BOXES	
JUNCTION BOXES	
F11 Fixed Connector	
F2 2 Fixed Connectors	
F2 L Type (100/box)	
F2 S Type (100/ box)	
F3 3 Fixed Connectors	
F4 4 Fixed Connectors	
Junction Box Cover	

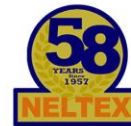
UTILITY BOXES	
F11 Fixed Connector	
F2 2 Fixed Connectors	

POWERGUARD THIN WALL		
ND	DN	Min. Pipe Thickness
1/2"	20 mm	1.5 mm
3/4"	25 mm	1.5 mm
1"	32 mm	1.5 mm

COUPLING		MALE ADAPTER	
ND	DN	ND	DN
1/2"	20 mm	1/2"	20 mm
3/4"	25 mm	3/4"	25 mm
1"	32 mm	1"	32 mm



For over 5 decades now, Neltex has been the preferred and trusted brand for total piping solutions. With its commitment to constant innovation and sustainable construction that makes it the gold standard for quality and project specifications, and now with Asia's biggest Lead-Free PVC Manufacturing plant (producing about 30, 000 MT annually), Neltex continues to be the PVC Pipe brand behind brilliance in construction.



BEHIND BRILLIANCE



BRILLIANT SOLUTIONS MADE POSSIBLE

ENSURE UN-INTERRUPTED POWER SUPPLY

AMIDST TYPHOON

POWERGUARD 8055 w/ POWERLOCK

Given the country's susceptibility to strong typhoons, power interruptions is a common occurrence. This is mostly due to typhoon's severe winds destroying electric wires and even causing electric posts to collapse. But with Neltex's Powerguard 8055 with Powerlock technology, modern cities can now benefit from developing **underground power systems** to ensure un-interrupted power supply even in the face of typhoons. This breakthrough electric conduit is non-corrosive, high-impact resistant, and most of all, equipped with machine-installed POWERLOCK gaskets as jointing solution to ensure that the electrical systems are water tight.

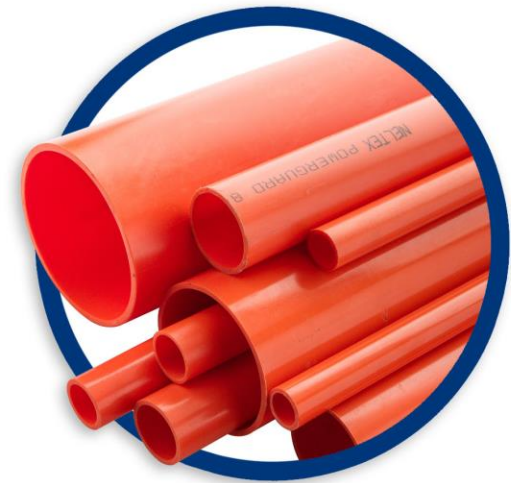
The new POWERGUARD 8055 with POWERLOCK was used to "powerguard" the electric lines of 4 major locators of PAGCOR City. Given PAGCOR City's location near Manila Bay, the non-corrosive and watertight qualities of POWERGUARD 8055 ensure the brilliant men behind the project that they wouldn't have to deal with corrosion, decay and water seepage issues.



IN PHOTO:
Underground electrical system of PAGCOR City, power-guarded by Neltex Powerguard 8055 with Powerlock technology

SAVE 25% ON MATERIAL COST

	PNS 14: 1938 Thickwall Standards	POWERGUARD 8055 Thinwall
IZOD Impact Strength	34.7 Joules	80 Joules
Tensile Strength	27.5 MPa	55 MPa
Flattenning	Nobreaking at 40%	No breaking at 100%
Vicat softening temperature, °C, min	76°C min.	85.5°C min.



POWERGUARD 8055 Thinwall

Neltex POWERGUARD Thinwall

Passed and EXCEEDED Thickwall pipe standards;

so using POWERGUARD 8055 Thinwall for your Thickwall requirement can help you cut costs by up to 25%!

REDUCE INSTALLATION COST UP TO 50%

Extend your design with these
easy clip-on connectors



NELTEX UTILITY BOX

BIGGER WORK SPACE!

FIXED SOCKET
REDUCING COST FOR
ADDITIONAL ADAPTERS

RIGID ZINC
COATED PLATE
Rust proof metal screw plates
with grooves for easy installation

POWERGUARD Electric Boxes

Brilliant Compared to GI Electric Boxes

- FASTER TO INSTALL because it does not require grounding
- NON-CORROSIVE compared to metal utility boxes, so it's guaranteed to be safer and to last longer
- WITH RUST-PROOF SCREW PLATES
- WITH BIGGER WIRING SPACE

Brilliant Design Saves you Money

- SAVE ON EXTRA SOCKETS & ADAPTERS! Neltex Electric Boxes have 20 and 25 mm size options and provisions for extra sockets, so there's no need for additional adapters and locknuts.
- SAVE ON LABOR COST with its easy to install design

NELTEX

POWERGUARD 8055