

Conformance Certificate

MARLEY AUCKLAND
32 MAHIA ROAD, PRIVATE BAG 802
MANUREWA, AUCKLAND

MARLEY CHRISTCHURCH
129 SHANDS ROAD, PO BOX 16233
HORNBY, CHRISTCHURCH

T 0800 MARLEY (627 539)
E info@marley.co.nz
W www.marley.co.nz

Marley uPVC Heavy Duty Electrical Cable Duct

Date of Manufacture As printed on pipe.
Product(s) 700.100SN40.6.OR & 700.150SN40.6.OR

Product Conformance:

Manufacturing Standard AS/NZS 2053:2001
Product Quality Data In accordance with AS/NZS2053:2001
Management System ISO 9001 : 2015 – Bureau Veritas Certification 001692-1
ISO 14001 : 2015 – Bureau Veritas Certification 001693-1
Quality Testing System Registered Laboratory IANZ 92

Manufacturing Systems:

Marley Manufacturing System has adopted individual internal procedures with comprehensive testing by process technicians on line and responsible laboratory testing programmes.

These quality control procedures include but are not limited to:

Control of processing parameters are fully monitored and recorded to ensure consistency and provide traceability.

Visual inspection of pipes to measure dimensions and testing compliance, including wall thickness diameter and length.

Production checks are carried out at regular intervals as specified in the standard. All tests are fully recorded to identify the product by time and date to give full traceability in the field.

SN40 Rating:

The pipe SN40 rating is the measured stiffness of the ECD pipe produced to meet the specific Heavy Duty rating required in AS/NZS2053:2001. Stiffness is a measure of the resistance of a pipe to ring deflection. The units are newtons per metre deflection per metre length (N/m/m). An SN40 rating is 40,000 N/m/m. Vector (ENS-0079, 2014) require heavy duty ducting for where no additional mechanical protection is provided, e.g. where directional drilling techniques are employed. Further, wherever subtransmission cable (22 kV, 33 kV or 110 kV) is installed in PVC duct the duct shall be heavy duty grade regardless of the existence or otherwise of additional mechanical protection.

Resin: Specifically blended resin in accordance with AS/NZS 2053:2001 for extruded product to meet the asset design requirements.

Durability: Marley Electrical Cable Ducting pipes will provide asset durability in excess of B2-NZBC of 50years with an asset design life in excess of 100 years when designed, installed and used in accordance with the Standards Operation Specification and Codes.

Installation & Design Codes:

AS/NZS 3000:2018 Category A Wiring System Heavy Duty Conduit, without the need additional mechanical protection (cable cover)
ENS-0079, Vector 2014 - Electricity network standards. Specification for ducting of insulating material



Authorized By:

John Scott
GM Manufacturing & Technical

MARLEY
by aliaxis