Marley dBlue Acoustic Pipe System

TABLE OF CONTENTS

Specification Details 2
Clauses 2
- Scope 2
- dBlue Acoustic Plumbing System 2
- Co-operation 4
- Workmanship 4
- Storage & Handling 5
- Installation 6
- Completion 10

Compliances 10

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1 Specification Details

Trade Sections: Plumbing
Description:
Keywords: marley, piping, pipes, dblue, acoustic pipes, sound management, audio, sanitation, sanitary, plumbing, drains, sewage, cleanliness, clean

2 Clauses

2.1 Scope

Help Note:
dBlue Acoustic Pipe System is primarily designed for use in multi-storey buildings such as commercial office buildings, hotels, and large residential buildings where reduced sound measures of the sanitary plumbing system are required.

For technical information on products to attach to this project, please visit productspec.co.nz/en/supplier/marley%20new%20zealand.

2.1.1 Scope

Supply and install dBlue Acoustic Pipe System as a component of the sanitary plumbing system to the layout and details shown on the drawings, complete with all system components and accessories required for proper operation and functionality. All aspects of this works shall be in accordance with the Marley NZ Ltd. dBlue Acoustic Plumbing System technical literature (check www.marley.co.nz, or call 0800 222 922 for the latest edition), BRANZ Appraisal No.610, and to comply with the requirements of the NZ Building Code and relevant Standards, Regulations and Acts, and to the requirements of the controlling Territorial Authority, and as shown on the drawings and schedules.

No substitutions are permitted for dBlue Acoustic Pipe System.

2.2 dBlue Acoustic Plumbing System

2.2.1 dBlue Acoustic Pipe System

Marley dBlue Acoustic Pipe System is a sanitary plumbing system consisting of discharge pipes and fittings that have been designed to reduce noise caused by water and waste passing through the discharge system. The system can only be used for internal applications within a building, and can not be exposed to ultra-violet (UV) light or be installed in in-ground applications or conditions.

Marley dBlue Acoustic Pipe System is suitable for sanitary and foul water waste pipes installed in accordance with NZBC Acceptable Solution G13/AS1 or with AS/NZS 3500.2; and must be connected to a drainage system designed in accordance with G13/AS1 or AS/NZS 3500.2 before it enters the ground. Marley dBlue comes with a 10 year warranty if a full dBlue Acoustic Pipe System is installed and connected to a Marley Optim uPVC Sanitary System.

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dBlue has been certified to:
- AS/NZS 7671: 2010: 'Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings - Polypropylene (PP)'.
- AS/NZS 5065: 2005: 'Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications'.
- Watermark: WMK25729.
- ISO 9001 and ISO14001.

dBlue acoustic evaluation:
- dBlue has been tested by CSIRO in Australia and passes the RW +CTR 25 and 40 benchmarks for acoustic plumbing requirements in Australia.
- Acoustic testing carried out to AS/NZS ISO 717.1:2004 and AS/NZS ISO 140.7:2006.

Temperature resistance:
- dBleu has been designed to be withstand extreme temperatures.
- The inner skins allows liquid temperatures up to +90°C.
- The outer skin gives temperature resistance down to extreme cold of -10°C.
- Polypropylene has strong chemical-resistant characteristics - refer to the Marley Chemical Resistance Chart on the Marley website .

System features:
- All system components are blue coloured.
- Pipes are extruded, multi-layered, 3-layer construction acoustic pipe, manufactured from blended polypropylene and mineral compounds.
- Fittings are injection moulded polypropylene.
- Pipe ends and fittings are pre-fitted with a SBR (styrene butadiene rubber) O-ring.
- Pipes and fittings are push-fit socket jointed with the use of a proprietary lubricant; the joint is sealed by the pre-fitted O-ring.
- 160mm diameter dBlue pipes are approved for underslab installation.

dBlue Acoustic Plumbing System range of components:
- Pipe with Socket: 50mm, 75mm, 110mm, 160mm nominal diameters (OD). 1m and 3m lengths.
- Bends: 15°, 30°, 45°, 87.5° Bends - 50mm, 75mm, 110mm, 160mm.
- Junctions: 45° 'Y' Junctions - 50mm, 75mm, 110mm.
- Stop and Slip Couplers: 50mm, 75mm, 110mm, 160mm.
- Reducers: 75/50mm, 110/50mm, 110/110mm.
- Sockets: 50mm, 75mm, 110mm.
- Inspection Pipe: 110mm.
- Socket Plugs: 50mm, 75mm, 110mm.
- uPVC-PP Transition Couplers: DWV 40mm to 50mm; DWV 50mm to 50mm; DWV 65mm to 75mm.
- Acoustic Brackets: Pipe clamps with rubber inner lining - 50mm, 75mm, 110mm.
- dBlue Lubrication.

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