

# PRODUCTS FOR USE IN CONTACT WITH DRINKING WATER

## AS/NZS 4020

**AS/NZS 4020 specifies requirements for the suitability of products for use with drinking water with regard to their effect on the quality of water.**

Pressure pipes and fittings are used for potable or drinking water supply, reticulation and plumbing. Australian Standards for pressure pipes and fittings used in these applications specify that pipes and fittings are tested to and conform with the requirements of AS/NZS 4020. StandardsMark and WaterMark certification to Australian Standards for pressure pipe will include the requirements of AS/NZS 4020.

Non-pressure pipes and fittings are not generally intended for drinking water applications and therefore the associated Australian Standards do not require conformance with AS/NZS 4020 as part of their performance requirements. Vinidex however, has tested all Vinidex manufactured PVC pipes and fittings for DWV and Stormwater applications for contact with drinking water.

**Vinidex Pipe and Fittings that conform to the requirements of AS/NZS 4020 and are suitable for contact with drinking water are listed below:**

- ✓ **PVC-U** pressure pipes and fittings to AS/NZS 1477
- ✓ **Supermain® PVC-O** pressure pipes to AS/NZS 4441
- ✓ **Vinidex Hydro® PVC-M** pipes to AS/NZS 4765
- ✓ **Vinidex DWV** pipes and fittings to AS/NZS 1260
- ✓ **Vinidex Stormwater** pipes and fittings to AS/NZS 1254
- ✓ **Black, Blue and Purple polyethylene (PE)** pipes to AS/NZS 4130

**AS/NZS 1477: PVC pipes and fittings for pressure applications**

Product Range	Product Tested	Required	Conforms	Test Report	Expiry Date
DN50 to DN375 Blue S2 PVC Pressure pipe	DN50 PN12 blue pipe exposed area to volume ratios up to 74,070 mm <sup>2</sup> /L	✓	✓	AWQC 191371	02/11/2021
DN15 to DN375 White S1 PVC Pressure pipe	DN15 PN18 pipe exposed area to volume ratios up to 222,220 mm <sup>2</sup> /L	✓	✓	AWQC 191403	02/11/2021
PVC Pressure Fittings >DN15	DN15 tee (PVC A) DN15 tee (PVC B)	✓	✓	AWQC 183554 AWQC 183317	06/06/2021 01/06/2021

**AS/NZS 4441: Oriented PVC (PVC-O) pipes for pressure applications**

Product Range	Product Tested	Required	Conforms	Test Report	Expiry Date
DN100 to DN375 Blue S2 Supermain PVC-O Pressure pipe	DN100 PN16 blue pipe exposed area to volume ratios up to 35,000 mm <sup>2</sup> /L	✓	✓	AWQC 191370	02/11/2021

**AS/NZS 4765: Modified PVC (PVC-M) pipes for pressure applications**

Product Range	Product Tested	Required	Conforms	Test Report	Expiry Date
DN100 to DN575 Hydro S2 PVC-M Pressure pipe	DN150 PN16 pipe exposed area to volume ratios up to 40,000 mm <sup>2</sup> /L	✓	✓	AWQC 263984	20/11/2024

**AS/NZS 1260: PVC-U pipes and fittings for drain, waste and vent applications**

Product Range	Product Tested	Required	Conforms	Test Report	Expiry Date
DWV pipes >DN40 Formulation A	DN40 DWV pipe exposed area to volume ratios up to 103,900 mm <sup>2</sup> /L	✗	✓	AWQC 191051	10/10/2021
DWV pipes >DN50 Formulation B	DN50 DWV pipe exposed area to volume ratios up to 78,900 mm <sup>2</sup> /L	✗	✓	AWQC 191052	10/10/2021
DWV moulded fittings ≥DN15	DN15 tee	✗	✓	AWQC 183231	31/05/2021

**AS/NZS 1254 pipes and fittings for storm and surface water applications**

Product Range	Product Tested	Required	Conforms	Test Report	Expiry Date
Stormwater pipes DN75 to DN475	DN75 Stormwater pipe	✗	✓	AWQC 191450	02/11/2021
Stormwater moulded fittings ≥DN15	DN15 tee	✗	✓	AWQC 183230	31/05/2021

**AS/NZS 4130 Polyethylene (PE) pipes for pressure applications**

All black, blue and purple coloured polyethylene compounds are tested to AS/NZS 4020 and conformance is part of our StandardsMark and WaterMark certification.

Please contact Vinindex to view copies of Test Reports.