

## Product Specification:

### Wim Mix Pre-Mixed Concrete – 20 MPa, 14mm Maximum Agg. Size

**PRODUCT CODE:** 110-096-m    **NOMINAL STRENGTH:** 20 MPa    **GRADE DESIGNATION:** N20

**CUSTOMER:** Standard Product

**REFERENCE:** AS1379 – *Specification and Supply of Concrete*

#### Compliance Requirements for Product Constituents

Constituent	Compliant With
14/10mm G Agg	AS 2758.1
7mm SS Agg	AS 2758.1
Coarse Sand	AS 2758.1
Fine Sand	AS 2758.1
GP Cement	AS 3972
Mixing Water	AS 1379
Chemical Admixtures	AS 1487

#### Tests Carried Out For Production Control (Controlled Grade)

Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	AS1012.1	AS1012.3	1 per 100m <sup>3</sup>	As per AS1379: Table 6	AS1379.5.2
28-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup> (2 cylinders)	95% of results $\geq$ 20MPa, Mean ( $f_{cm}$ ) $\geq f_c + k_{CS}$	AS1379.6.3
7-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup>	Mean for production interval $\geq$ 9MPa	AS1379.5.7
Air Content	AS1012.1	AS1012.4.2	On every second strength sample as required by customer	$\pm 1.5\%$ of customer's specified air content	AS1379.5.4
Chloride and Sulfate Content	AS1012.1	AS1012.12 AS1012.20	1 per 6 months	Chloride-ion $\leq$ 0.8 kg/m <sup>3</sup> Sulfate-ion $\leq$ 50 g/kg	AS1379.5.5
Drying Shrinkage	AS1012.1 or AS1012.2	AS1012.13	1 per 6 months	$\leq$ 1000 $\mu$ S	AS1379.5.6

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## Product Specification:

### Wim Mix Pre-Mixed Concrete – 25 MPa, 14mm Maximum Agg. Size

**PRODUCT CODE:** 110-099-m    **NOMINAL STRENGTH:** 25 MPa    **GRADE DESIGNATION:** N25

**CUSTOMER:** Standard Product

**REFERENCE:** AS1379 – *Specification and Supply of Concrete*

#### Compliance Requirements for Product Constituents

Constituent	Compliant With
14/10mm G Agg	AS 2758.1
7mm SS Agg	AS 2758.1
Coarse Sand	AS 2758.1
Fine Sand	AS 2758.1
GP Cement	AS 3972
Mixing Water	AS 1379
Chemical Admixtures	AS 1487

#### Tests Carried Out For Production Control (Associated Grade)

Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	AS1012.1	AS1012.3	1 per 100m <sup>3</sup>	As per AS1379: Table 6	AS1379.5.2
28-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup> (2 cylinders)	Mean ( $f_{cm}$ ) $\geq f_c + k_{cs}$ 95% of results $\geq 25\text{MPa}$	AS1379.6.3
7-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup>	Mean for production interval $\geq 12\text{MPa}$	AS1379.5.7
Air Content	AS1012.1	AS1012.4.2	On every second strength sample as required by customer	$\pm 1.5\%$ of customer's specified air content	AS1379.5.4

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## Product Specification:

### Wim Mix Pre-Mixed Concrete – 32 MPa, 14mm Maximum Agg. Size

**PRODUCT CODE:** 110-102-m    **NOMINAL STRENGTH:** 32 MPa    **GRADE DESIGNATION:** N32

**CUSTOMER:** Standard Product

**REFERENCE:** AS1379 – *Specification and Supply of Concrete*

#### Compliance Requirements for Product Constituents

Constituent	Compliant With
14/10mm G Agg	AS 2758.1
7mm SS Agg	AS 2758.1
Coarse Sand	AS 2758.1
Fine Sand	AS 2758.1
GP Cement	AS 3972
Mixing Water	AS 1379
Chemical Admixtures	AS 1487

#### Tests Carried Out For Production Control (Associated Grade)

Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	AS1012.1	AS1012.3	1 per 100m <sup>3</sup>	As per AS1379: Table 6	AS1379.5.2
28-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup> (2 cylinders)	Mean ( $f_{cm}$ ) $\geq f_c + k_{CS}$ 95% of results $\geq 32\text{MPa}$	AS1379.6.3
7-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup>	Mean for production interval $\geq 16\text{MPa}$	AS1379.5.7
Air Content	AS1012.1	AS1012.4.2	On every second strength sample as required by customer	$\pm 1.5\%$ of customer's specified air content	AS1379.5.4

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## Product Specification:

### Wim Mix Pre-Mixed Concrete – 40 MPa, 14mm Maximum Agg. Size

**PRODUCT CODE:** 110-105-m    **NOMINAL STRENGTH:** 40 MPa    **GRADE DESIGNATION:** N40

**CUSTOMER:** Standard Product

**REFERENCE:** AS1379 – *Specification and Supply of Concrete*

#### Compliance Requirements for Product Constituents

Constituent	Compliant With
14/10mm G Agg	AS 2758.1
7mm SS Agg	AS 2758.1
Coarse Sand	AS 2758.1
Fine Sand	AS 2758.1
GP Cement	AS 3972
Mixing Water	AS 1379
Chemical Admixtures	AS 1487

#### Tests Carried Out For Production Control (Associated Grade)

Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	AS1012.1	AS1012.3	1 per 100m <sup>3</sup>	As per AS1379: Table 6	AS1379.5.2
28-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup> (2 cylinders)	Mean ( $f_{cm}$ ) $\geq f_c + k_{cs}$ 95% of results $\geq 40\text{MPa}$	AS1379.6.3
7-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup>	Mean for production interval $\geq 20\text{MPa}$	AS1379.5.7
Air Content	AS1012.1	AS1012.4.2	On every second strength sample as required by customer	$\pm 1.5\%$ of customer's specified air content	AS1379.5.4

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## Product Specification:

### Wim Mix Pre-Mixed Concrete – 50 MPa, 14mm Maximum Agg. Size

**PRODUCT CODE:** 110-135      **NOMINAL STRENGTH:** 50 MPa      **GRADE DESIGNATION:** N50

**CUSTOMER:** Standard Product

**REFERENCE:** AS1379 – *Specification and Supply of Concrete*

#### Compliance Requirements for Product Constituents

Constituent	Compliant With
14/10mm G Agg	AS 2758.1
7mm SS Agg	AS 2758.1
Coarse Sand	AS 2758.1
Fine Sand	AS 2758.1
GP Cement	AS 3972
Mixing Water	AS 1379
Chemical Admixtures	AS 1487

#### Tests Carried Out For Production Control (Associated Grade)

Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	AS1012.1	AS1012.3	1 per 100m <sup>3</sup>	As per AS1379: Table 6	AS1379.5.2
28-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup> (2 cylinders)	Mean ( $f_{cm}$ ) $\geq f_c + k_{CS}$ 95% of results $\geq 50\text{MPa}$	AS1379.6.3
7-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup>	Mean for production interval $\geq 25\text{MPa}$	AS1379.5.7
Air Content	AS1012.1	AS1012.4.2	On every second strength sample as required by customer	$\pm 1.5\%$ of customer's specified air content	AS1379.5.4

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# Product Specification:

## Wim Mix Pre-Mixed Concrete – 10mm Paving Mix

**PRODUCT CODE:** 110-119-m    **NOMINAL STRENGTH:** N/A    **GRADE DESIGNATION:** N/A

**CUSTOMER:** Standard Product

**REFERENCE:** AS1379 – *Specification and Supply of Concrete*

### Compliance Requirements for Product Constituents

Constituent	Compliant With
10mm SS Agg	AS 2758.1
7mm SS Agg	AS 2758.1
Coarse Sand	AS 2758.1
Fine Sand	AS 2758.1
GP Cement	AS 3972
Mixing Water	AS 1379
Chemical Admixtures	AS 1487

### Tests Carried Out For Product Quality Control Purposes

Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	N/A	N/A	N/A	N/A	N/A
28-day Strength	N/A	N/A	N/A	N/A	N/A
7-day Strength	N/A	N/A	N/A	N/A	N/A
Air Content	N/A	N/A	N/A	N/A	N/A

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# Product Specification:

## Wim Mix Pre-Mixed Concrete – Post Hole Mix

**PRODUCT CODE:** 110-138-m    **NOMINAL STRENGTH:** N/A    **GRADE DESIGNATION:** N/A

**CUSTOMER:** Standard Product

**REFERENCE:** AS1379 – *Specification and Supply of Concrete*

Compliance Requirements for Product Constituents	
Constituent	Compliant With
14/10mm G Agg	AS 2758.1
7mm SS Agg	AS 2758.1
Coarse Sand	AS 2758.1
Fine Sand	AS 2758.1
GP Cement	AS 3972
Mixing Water	AS 1379
Chemical Admixtures	AS 1487

Tests Carried Out For Product Quality Control Purposes					
Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	N/A	N/A	N/A	N/A	N/A
28-day Strength	N/A	N/A	N/A	N/A	N/A
7-day Strength	N/A	N/A	N/A	N/A	N/A
Air Content	N/A	N/A	N/A	N/A	N/A

## Product Specification:

### Wim Mix Pre-Mixed Concrete – 15 MPa, 14mm Maximum Agg. Size

**PRODUCT CODE:** 110-093-m    **NOMINAL STRENGTH:** 15 MPa    **GRADE DESIGNATION:** S15

**CUSTOMER:** Standard Product

**REFERENCE:** AS1379 – *Specification and Supply of Concrete*

#### Compliance Requirements for Product Constituents

Constituent	Compliant With
14/10mm G Agg	AS 2758.1
7mm SS Agg	AS 2758.1
Coarse Sand	AS 2758.1
Fine Sand	AS 2758.1
GP Cement	AS 3972
Mixing Water	AS 1379
Chemical Admixtures	AS 1487

#### Tests Carried Out For Production Control (Associated Grade)

Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	AS1012.1	AS1012.3	1 per 100m <sup>3</sup>	As per AS1379: Table 6	AS1379.5.2
28-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup> (2 cylinders)	Mean ( $f_{cm}$ ) $\geq f'_c + k_c S$ , 95% of results $\geq 15\text{MPa}$	AS1379.6.3

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## Product Specification:

### Wim Mix Pre-Mixed Concrete – 45 MPa, 14mm Maximum Agg. Size

**PRODUCT CODE:** 110-108-m    **NOMINAL STRENGTH:** 45 MPa    **GRADE DESIGNATION:** S45

**CUSTOMER:** Standard Product

**REFERENCE:** AS1379 – *Specification and Supply of Concrete*

#### Compliance Requirements for Product Constituents

Constituent	Compliant With
14/10mm G Agg	AS 2758.1
7mm SS Agg	AS 2758.1
Coarse Sand	AS 2758.1
Fine Sand	AS 2758.1
GP Cement	AS 3972
Mixing Water	AS 1379
Chemical Admixtures	AS 1487

#### Tests Carried Out For Production Control (Associated Grade)

Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	AS1012.1	AS1012.3	1 per 100m <sup>3</sup>	As per AS1379: Table 6	AS1379.5.2
28-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup> (2 cylinders)	Mean ( $f_{cm}$ ) $\geq f_c + k_{cs}$ 95% of results $\geq 45\text{MPa}$	N/A
7-day Strength	AS1012.1	AS1012.9	1 per 100m <sup>3</sup>	Mean for production interval $\geq 23\text{MPa}$	N/A
Air Content	AS1012.1	AS1012.4.2	On every second strength sample as required by customer	$\pm 1.5\%$ of customer's specified air content	AS1379.5.4

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**Product Specification:**  
**Wim Mix Pre-Mixed Concrete – Kerb and Channel Mix**

**PRODUCT CODE:** 110-110-m    **NOMINAL STRENGTH:** N/A    **GRADE DESIGNATION:** S280kg  
**CUSTOMER:** Standard Product  
**REFERENCE:** *VicRoads Standard Specifications for Road works and Bridgeworks, Section 703*  
*AS1379 – Specification and Supply of Concrete*

Compliance Requirements for Product Constituents	
Constituent	Compliant With
10mm SS Agg	AS 2758.1
7mm SS Agg	AS 2758.1
Coarse Sand	AS 2758.1
Fine Sand	AS 2758.1
GP Cement	AS 3972
Mixing Water	AS 1379
Chemical Admixtures	AS 1487

Tests Carried Out For Product Quality Control Purposes					
Test	Sample Method	Test Method	Frequency	Requirements	Reference
Slump	AS1012.1	AS1012.3	1 per 100m <sup>3</sup>	As per AS1379: Table 6	AS1379.5.2
28-day Strength	N/A	N/A	N/A	N/A	VicRoads 703.03
7-day Strength	N/A	N/A	N/A	N/A	VicRoads 703.03
Air Content	AS1012.1	AS1012.4.2	1 per 200m <sup>3</sup> as required by customer	±1.5% of customer's specified air content	AS1379.5.4

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