

## Guide Formulations

# 2K Waterborne Primer - Floors

Ref: Amirez 148/055 - 038

Part A	Material	Supplier	Parts by Weight
1. Polyamine adduct	<b>Amirez 148/055</b>	<b>Incorez</b>	32.90
2. Diluent	Water	Local	7.00
3. Defoamer	BYK 1711	BYK	0.50
4. Substrate Wetting Agent	Tego twin 4200	Evonik	0.30
5. Diluent	Water	Local	34.30

Part B	Material	Supplier	Parts by Weight
Epoxy Resin	Araldite GY 783 CH	Huntsman	25.00
Total			100.00

## Manufacturing Instructions – Part A

- Charge component 1 (Amirez 148/055) and component 2 (Water). Stir until homogeneous at low shear.
- Add component 3 (BYK 1711) under stirring. Mix for 10 min at low shear.
- Add component 4 (Tego twin 4200) under stirring. Mix for 10 min at low shear.
- Add component 5 (Water).
- Continue mixing at low shear for 10 min until homogenous.

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## Manufacturing Instructions – Continued

- Finally mix PART A and PART B under low shear mechanical mixing for 5-6 min until the system is homogeneous and all of the Epoxy Resin is emulsified.
- The above mixed system is then ready to be applied.

## Properties

% solids w/w	43.1
VOC	0
PHR	132
Potlife	2 hours
BK dry - surface	4 hours
BK dry - through	8 hours
Gloss (60°C) - 7 day	154
Persoz hardness - 1 day	52
Persoz hardness - 7 day	305

## Adhesion - On Concrete

Coating	Force / N	Type of failure
Primer only	6.24	Cohesive Failure of Concrete
Primer + top coat	<b>6.87</b>	Cohesive Failure of Concrete