

## Guide Formulations

# 2K Waterborne Floor Paint – Glossy Light Grey

Ref: Amirez 148/055 - 037

Part A	Material	Supplier	Parts by Weight
1. Polyamine Adduct	<b>Amirez 148/055</b>	<b>Incorez</b>	26.30
2. Diluent	Water	Local	7.00
3. Defoamer	Byk 1711	BYK	0.40
4. Wetting & Dispersing Agent	Disperbyk 180	BYK	0.25
5. Pigment	Tiona 595	Cristal Global	12.00
6. Filler	Snowcal 30	OMYA	12.63
7. Black Pigment Paste	Colanyl Black N131	Clariant/BASF	0.20
8. Substrate Wetting Agent	BYK 349	BYK	0.25
9. Diluent	Water	Local	20.97
			80.00

Part B	Material	Supplier	Parts by Weight
Epoxy Resin	Araldite GY 783 CH	Huntsman	20.00
Total			100.00

## Manufacturing Instructions – Part A

- Charge component 1 (Amirez 148/055) and component 2 (Water). Stir homogeneous at low shear.
- Add component 3 (BYK 1711) under stirring. Mix for 5 min at low shear.
- Add component 4 (Disperbyk 180) under stirring. Mix for 5 min at low shear
- Add component 5 (Tiona 595) and component 6 (Snowcal 30) one after the other under stirring.
- Grind with high speed disperser at approx. 10-20 m/s for 10-15 min until the expected grind is achieved

**NOTE:** Please make sure that the temperature during the grind does 'NOT' exceed 60°C.

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## Manufacturing Instructions – Continued

· Once the grind is achieved add the remaining components one by one under low shear.

Finally mix PART A and PART B under low shear mechanical mixing for 2-3 min until the system is homogeneous

The above mixed system is then ready to be applied.

**NOTE:** Do 'NOT' add additional water after mixing PART A and PART B as it may reduce the gloss of the system.

## Properties

% Solids (w/w)	60.30
% Solids (v/v)	47.10
PVC (%)	12.50
VOC (g/L)	0
PHR	132
Potlife @ 20°C (hours)	2
BK Surface dry time (hours)	4
BK Through dry time (hours)	8
Gloss (60°) – 7 day	90
Hardness (Persoz)	
1 Day	70
7 Day	260