

# 2K Self – Levelling Floor Coating

Ref: Amirez 148/270 – 042

Part A	Material	Supplier	Parts by Weight
1. Curing Agent	Amirez 148/270	Incorez	10.00
2. Defoamer	BYK 1615	BYK	0.80
3. Diluent	Water	Local	3.00
4. Pigment	Tiona 595	Cristal Global	3.80
5. Filler	Barytes EWO	Sachtleben-Minerals	13.00
6. Filler	Quartz Powder M6	Sibelco	27.00
7. Filler	Quartz Sand (0.1- 0.3) mm	Sibelco	34.90
8. Diluent	Water	Local	7.30
9. Thixotropic Agent	Deuteron VT819 (2%acq)	Deuteron	0.20
			<b>100.00</b>
Part B	Material	Supplier	Parts by Weight
10. Epoxy Resin	Epikote 828LVEL	Hexion	10.00
Total			<b>110.00</b>

## Manufacturing Instructions – Part A

- Charge components 1 and 2 and stir homogeneous at low shear
- Once the mixture is homogeneous add component 3
- Slowly add components 4-6 while increasing the speed to 10-20m/s
- Grind with high-speed disperser at approx. 10-20m/s for 15 minutes
- Slowly add component 7 whilst adding part of the water if required
- Add the remaining components 8 and 9 at low shear rate and mix for 5 minutes

**NOTE:** Component 9 is a 2 wt% dispersion of thixotropic agent in water.

Finally mix PART A and PART B under low shear mechanical mixing for 2-3 minutes until the system is homogeneous. The formulated system is now ready to apply.

## Properties

Surface Appearance	Satin/Matt
1 day Hardness @20°C 50% RH (Shore D)	55
7 day Hardness @20°C 50% RH (Shore D)	66
1 day Hardness @10°C (Shore D)	55
<b>Bond Strength</b>	
- to Dry Concrete (MPa)	6.7
- to Damp/Wet Concrete (MPa)	6.3
Abrasion Resistance (mg loss)	168
Working Time (min)	30 - 45
Volume Shrinkage (%)	< 1
VOC (mg/m <sup>3</sup> )	0.00