

**START FORMULATION****Water-based Universal Coating, Matt****Component A:**

1	Curing Agent	Epotec® THW 4509	CTP AM / Aditya Birla	31.0
2	Dispersing Additive	Tego® Dispers 652	Evonik Industries	0.4
3	Defoamer	Tego® Airex 902 W	Evonik Industries	0.5
4	Diluent	Deionised Water	local	9.0
5	Pigment	Heucosin® Grey G 2229	Heubach GmbH	8.5
6	Filler	Blanc fixe micro	Sachtleben Chemie	18.0
7	Filler	Talc 20M2	Imerys GmbH	12.0
8	Diluent	Deionised Water	local	16.6
9	Matting Agent	Deuteron® MK	Deuteron GmbH	4.0

1.05.010

31.0

0.4

0.5

9.0

8.5

18.0

12.0

16.6

4.0

100.0**Component B:**

1	Epoxy Resin	CeTePox® 245 R	CTP AM / Aditya Birla	20.0
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20.0

20.0**Technical Data**

Mixing Ratio	Component A : B	by weight	5 : 1
Density	Component A + B	g / ml	~1.4
Viscosity (p/p, 100 s-1, @ 25°C)	Component A	mPa*s	~1300
	Component B	mPa*s	~900
Binder content	Component A + B	mPa*s	~2000
	Component A + B	w.-%	~31
Solid content	Component A + B	w.-%	~66
	Component A + B	%	~28
PVC	Component A + B	%	~28
Applicable Thickness	Per Operation / Pass	µm	~100 - 250
Practically Usable Pot-life	At 23 °C	Min.	~45

Manufacturing Instructions Component A

- Pos. 1: submitted
- Pos. 2 to 4: are added and homogenised (5 min with 2-3 m/s)
- Pos. 5 to 7: are added one after the other at low stirrer speed, followed by stirring at higher speed (15 min. with max.10 m/s and max. temperature of 50°C) until pigment and fillers are finely dispersed
- Pos. 8: add slowly to adjust viscosity
- Pos. 9: add at low stirrer speed and homogenise (5 min with 3-5 m/s)

After mixing Part A and B for approximately 3-5 minutes the formulation is ready for application.

**More
Information ?**





Multi-Purpose Floor Coating

Examples of an individual scope for design of a guide formula

	Coating / Paint 1.05.010	Primer	Self-leveling	Mortar
Component A	100.0	100.0	100.0	100.0
Component B (CeTePox® 245 R)	20.0	20.0	20.0	20.0
Filler (Quartzsand 0.1 – 0.3 mm)	----	----	120.0	180.0
Filler (Quartzsand 0.7 – 1.2 mm)	----	----	----	180.0
Water	----	20 - 40	----	----
	----- 120.0	----- 140 – 160	----- 240.0	----- 480.0
Binder content (w.-%)	~31		~15	~8
Applicable Thickness	~ 100 – 250 µm	20 – 100µm	~ 1 – 3 mm	~ 2 – 4 cm