

Surface Improvement for Floor Coatings

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Guide Formulations for Floor Coatings

COATINO[®]



Solvent-free Self-leveling Epoxy Grey

Solvent-free Self-leveling Epoxy Grey		Guide Formulation	
Part A (Base)		Functionality	Wt %
DER 331		Epoxy resin	42.5
EPODIL® 748		Epoxy diluent	7.5
TEGO® AIREX 900		Deaerator	1.0
TEGO® DISPERS 656		Dispersant	0.5
Bentone SD2		Thickener	0.2
Ti-Pure R-902		Titanium dioxide	8.0
HIBLACK 30L		Carbon black	0.1
Blanc Fix Micro		Barium sulphate	20.0
Silica flour 500mesh		Silica flour	19.4
SURFYNOL® 420		Levelling additive	0.8
Part B (Hardener)			
ANCAMINE® 1618		Curing agent	30.0
Total			130.0

Water-borne Epoxy White

Water-borne Epoxy White		Guide Formulation	
Part A (Hardener)		Functionality	Wt %
ANQUAMINE [®] 721		Curing agent	29.00
ZETASPERSE[®] 3800		Dispersant	0.50
SURFYNOL[®] 420		Levelling agent	0.20
TEGO[®] AIREX 902W		Defoamer	0.30
Ti-Pure R902		Titanium dioxide	15.20
Blanc Fixe micro		Barium sulphate	10.00
Talc 325mesh		Talc	17.30
Water		Diluent	27.00
TEGO[®] AIREX 902W		Defoamer	0.20
TEGO[®] Wet 238		Substrate wetting additive	0.30
Part B (Base)			
DER 331		Epoxy resin	18.0
EPODIL [®] 748		Epoxy diluent	2.0
Total			120.0

Water-borne 1K PU Clear - High Gloss

Water-borne 1K PU Clear - High Gloss	Guide Formulation	
Raw Material	Functionality	Wt %
BAYHYDROL® UH 2593/1	PU dispersion	75.00
Butyldiglycol / Water (1:1)	Coalescent	18.00
TEGO® Foamex 825	Defoamer	1.00
TEGO® Glide 410	Flow & leveling additive	0.40
TEGO® Viscoplus 3030	PU thickener	0.24
Water	Diluent	5.36
Total		100.0

Water-borne 2K PU Clear – High Gloss

Water-borne 2K PU Clear - High Gloss		Guide Formulation	
Part A (Base)		Functionality	Wt %
Bayhydrol® A 2646		Polyacrylate dispersion	50.00
TEGO® Airex 902W		Defoamer	0.30
TEGO® Wet 270		Substrate wetting additive	0.30
Water		Diluent	48.20
TEGO® Viscoplus 3030		PU thickener	1.20
Part B (Hardener)			
Bayhydur® XP 2547		Polyisocyanate (HDI)	16.8
Total			116.8

Water-borne 2K PU White – Semi-Gloss

Water-borne 2K PU White - Semi-Gloss		Guide Formulation	
White Pigment Concentrate		Functionality	Wt %
	Water	Diluent	17.34
	TEGO® Dispers 760 W	Dispersant	8.34
	TEGO® Airex 902 W	Defoamer	1.00
	KRONOS® 2310	Titanium dioxide	72.66
	TEGO® Viscoplus 3030	PU thickener	0.66
Total			100.00
Part A (White Base)			
	Bayhydrol® A 2546	Polyacrylate dispersion	30.0
	Bayhydrol® A 2646	Polyacrylate dispersion	12.6
	TEGO® Airex 902W	Defoamer	0.70
	TEGO® Wet 270	Substrate wetting additive	0.70
	White Pigment Concentrate	Titanium dioxide paste	30.0
	Water	Diluent	24.0
	TEGO® Viscoplus 3030	PU thickener	2.0
Part B (Hardener)			
	Bayhydur® XP 2547	Polyisocyanate (HDI)	13.7
Total			113.7

Surface Improvement for Floor Coatings

- **Typical Surface Defects and Causes for Floor Coatings**
- **Surface Wetting Theory and Role of Wetting Agents**
- **Different Types of Wetting Agents for Surface Improvement**
- **Flow & Leveling Additives for Surface Improvement**
- **Evaluation Method for Flow & Leveling Additives**
- **Top Performing Flow & Leveling Additives in the Evonik Floor Coating Portfolio**
- **Guide Formulations for Floor Coatings**
- **Product Selection Tools for Floor Coating Applications**





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