



Additive Selection Chart H-AG 1

# Powder Coatings

December 2018



## Powder Coatings

### Pigmented Powder Coatings

	Leveling, Anti-cratering	Improved recoatability	Improved anti-crater robustness	Processing (Pigment wetting, extrusion, degassing, gloss, haze, flow)	Gloss reduction	Scratch resistance, Surface slip	Scar effect	Anti-slip	Outgassing (Porous substrate)	Degassing (Trapped air/humidity/HAA-systems)	Texture	Structure, Hammett effect, Antique finish	Pigment wetting	Viscosity increase (Optimized texture, edge covering)
Standard resins (Polyester, epoxide, epoxy-polyester, acrylate)	BYK-360 P BYK-368 P BYK-3900 P BYK-3902 P BYK-364 P	BYK-3933 P BYK-364 P	BYK-3931 P*	BYK-3950 P BYK-3951 P BYK-3955 P CERAFLOUR 960 DISPERBYK-2200 DISPERBYK-2205	CERAFLOUR 929 CERAFLOUR 950 CERAFLOUR 970 CERAFLOUR 991	BYK-3932 P CERAFLOUR 981 CERAFLOUR 996 CERAFLOUR 997		CERAFLOUR 970	CERAFLOUR 961 CERAFLOUR 962 BYK-3950 P BYK-3951 P BYK-3955 P	CERAFLOUR 960 CERAFLOUR 964 BYK-3950 P BYK-3951 P BYK-3955 P CERAFLOUR 993	CERAFLOUR 955 CERAFLOUR 958 CERAFLOUR 959 CLAYTONE-AF CLAYTONE-HY	CERAFLOUR 967	BYK-3950 P BYK-3951 P BYK-3955 P DISPERBYK-2200 DISPERBYK-2205 RHEOBYK-7590	CLAYTONE-40 CLAYTONE-HY CLAYTONE-AF GARAMITE-1958 GARAMITE-7305
Low temperature cure	BYK-368 P BYK-3900 P BYK-3902 P BYK-364 P	BYK-3933 P BYK-364 P	BYK-3931 P*	BYK-3950 P BYK-3951 P BYK-3955 P CERAFLOUR 960 DISPERBYK-2200 DISPERBYK-2205	CERAFLOUR 929 CERAFLOUR 950	BYK-3932 P CERAFLOUR 996 CERAFLOUR 981 CERAFLOUR 997			CERAFLOUR 961 CERAFLOUR 962 BYK-3950 P BYK-3951 P BYK-3955 P	CERAFLOUR 964 BYK-3950 P BYK-3951 P BYK-3955 P CERAFLOUR 960 CERAFLOUR 993	CERAFLOUR 955 CERAFLOUR 958 CERAFLOUR 959 CLAYTONE-AF CLAYTONE-HY	CERAFLOUR 967	BYK-3950 P BYK-3951 P BYK-3955 P DISPERBYK-2200 DISPERBYK-2205 RHEOBYK-7590	CLAYTONE-40 CLAYTONE-HY CLAYTONE-AF GARAMITE-1958 GARAMITE-7305
Thin layer	BYK-3902 P		BYK-3931 P*	BYK-3950 P BYK-3951 P BYK-3955 P CERAFLOUR 960 DISPERBYK-2200 DISPERBYK-2205	CERAFLOUR 929 CERAFLOUR 950 CERAFLOUR 991	BYK-3932 P CERAFLOUR 996 CERAFLOUR 997			CERAFLOUR 961 CERAFLOUR 962 BYK-3950 P BYK-3951 P BYK-3955 P	CERAFLOUR 960 CERAFLOUR 964 BYK-3950 P BYK-3951 P BYK-3955 P CERAFLOUR 993	CERAFLOUR 955 CERAFLOUR 958 CERAFLOUR 959 CLAYTONE-AF CLAYTONE-HY		BYK-3950 P BYK-3951 P BYK-3955 P DISPERBYK-2200 DISPERBYK-2205 RHEOBYK-7590	CLAYTONE-40 CLAYTONE-HY CLAYTONE-AF GARAMITE-1958 GARAMITE-7305
UV curing	BYK-368 P BYK-3902 P		BYK-3931 P*		CERAFLOUR 920 CERAFLOUR 950	CERAFLOUR 920 CERAFLOUR 950	CERAFLOUR 960 CERAFLOUR 994		CERAFLOUR 961 CERAFLOUR 962 BYK-3950 P BYK-3951 P BYK-3955 P	CERAFLOUR 960 CERAFLOUR 964 BYK-3950 P BYK-3951 P BYK-3955 P CERAFLOUR 993	CERAFLOUR 955 CERAFLOUR 958 CERAFLOUR 959			

\* only in combination with standard leveling additives **First recommendation** Second recommendation

### Powder Clearcoats

	Leveling, Anti-cratering	Surface slip	Gloss reduction	Degassing
Standard resins (Polyester, epoxide, epoxy-polyester, acrylate)	BYK-3900 P BYK-3933 P For acrylates: BYK-361 N	BYK-3932 P CERAFLOUR 960	CERAFLOUR 970 CERAFLOUR 991	CERAFLOUR 964 CERAFLOUR 960
UV curing	BYK-361 N	CERAFLOUR 920 CERAFLOUR 981	CERAFLOUR 970 CERAFLOUR 991	

**First recommendation** Second recommendation

### Production of Masterbatch Resins

Leveling, Anti-cratering
BYK-361 N BYK-356 BYK-359
<b>First recommendation</b> Second recommendation



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