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2 VR 201.1

Categorisation of IGP Effect Powder Coatings

- 1 Check effect category**
Check the number of stars on the label.
- 2 Check VR (processing instructions)**
Check the processing instructions on the label.
- 3 Information on recovery rates**
See the table for information on recovery rate in circular operation.
- 4 Other application parameters**
See the table for further application parameters.

Important notice:

All given parameters are for guidance only. A verification by the coater must be carried out on the equipment used.



Effect category	VR	Recovery rate in circular operation			Special processing parameters				Feeding		Coating plants / coating types		Manual pre / post-coating			Processes and releases	
		Maximum share of recovery powder standard without pre-checking	Maximum share of recovery powder "Mica"	Maximum share of recovery powder "Premium"	High-performance setting kV (pistol)	Current limit µA (pistol)	Processing with/without ion-leakage ring	Spraying distance of coating	Powder feeding with injector so that the powder flows inside the container	Powder feeding with injector from the supply container	Coating on various coating plants	Coating with tribo pistols	Pure manual coating	Manual post-coating in semi-automatic operation	Manual pre-coating in semi-automatic operation	Document processing parameters	Produce limiting samples
*****	VR 207.2	≤ 90%	-	-	50-80 kV	Normal operation: 80 µA for reduced overspray <10 µA	suitable with or without	> 200 mm	highly suitable, fluidizing air as required	■	■	■	■	■	possible	recommended but not necessary	input inspection sufficient
	VR 201.2	≤ 90%	-	-	60-90 kV	Normal operation: 80 µA for reduced overspray <10 µA	suitable with or without	> 180 mm	highly suitable, fluidizing air as required	■	■	■	■	■	possible	recommended but not necessary	input inspection sufficient
****	VR 207.2	≤ 10%	-	≤ 30%	60-80 kV	Normal operation: 80 µA for reduced overspray <10 µA	only with or only without	> 250 mm	highly suitable, fluidizing air as required	■	■	■	■	■	recommended	recommended	recommended
	VR 201.1	≤ 10%	-	≤ 30%	50-90 kV	80 µA	suitable with or without	> 250 mm	highly suitable, fluidizing air as required	■	■	■	■	■	recommended	recommended	recommended
***	VR 207.2	0%	-	≤ 25%	60-80 kV	Normal operation: 80 µA for reduced overspray <10 µA	only with or only without	> 250 mm	highly suitable, fluidizing air as required	■	■	■	■	■	recommended	recommended	strongly recommended
	VR 201.1	≤ 5%	≤ 10%	≤ 25%	50-90 kV	≥ 80 µA	only with or only without	> 300 mm	highly suitable, fluidizing air as required	■	■	■	■	■	recommended	recommended	strongly recommended
**	VR 207.2	0%	-	≤ 20%	60-80 kV	Normal operation: 80 µA for reduced overspray <10 µA	only with or only without	> 300 mm	highly suitable, fluidizing air as required	■	■	■	■	■	strongly recommended	strongly recommended	strongly recommended
	VR 201.1	0%	≤ 10%	≤ 20%	70-80 kV	80 µA	only with or only without	> 350 mm	highly suitable, fluidizing air as required	■	■	■	■	■	strongly recommended	strongly recommended	strongly recommended
*	VR 207.2	0%	-	≤ 10%	60-80 kV	Normal operation: 80 µA for reduced overspray <10 µA	only without suitable	300 - 350 mm	highly suitable, fluidizing air as required	■	■	■	■	■	strongly recommended	strongly recommended	strongly recommended
	VR 205	0%	0%	≤ 10%	60-90 kV	≤ 20 µA	suitable with or without	> 180 mm	highly suitable, fluidizing air as required	■	■	■	■	■	possible under certain conditions	recommended	strongly recommended ¹
	VR 203	0%	0%	≤ 10%	80-90 kV	≥ 80 µA	recommended without ion-leakage ring	> 250 mm	highly suitable, fluidizing air as required	■	■	■	■	■	possible	recommended	recommended
	VR 201.1	0%	0%	≤ 10%	70-80 kV	80 µA	only with or only without	> 350 mm	highly suitable, fluidizing air as required	■	■	■	■	■	strongly recommended	strongly recommended	strongly recommended

■ suitable ■ not suitable
 ■ suitable under certain conditions ■ possible after feasibility check / comparison

¹ Substrate and coating thickness: Limiting sample + workpiece