



MatteX-8 is a novel matting agent for polyester/epoxy hybrid powder coatings. It has distinguished & well-balanced advantages:

- Very good color stability
- Very good mechanical properties
- Lowest gloss to 2.6%@60o with addition of max 6.5%(based on total formula)
- Good stability both during processing and storage
- Resin based thus better extender tolerance without impairing appearance
- Fit for most of the polyester resins in the market

Typical Properties:

- Appearance : White or light yellow powder
- Equivalent Weight (carboxyl): Approx.270
- Volatile Organic Compounds (VOCs) : ≤ 3%(200°C /10min.)
- Softening point, RING AND BALL : 100-125°C

Application:

Pre-mix and Co-extrusion [One-Shot Method]

Storage:

12months @27°C, Keep Dry

Safety and Caution :

- General powder coating safety regulations can be adapted for ZEHM products
- Unless otherwise noted, ZEHM products never contain any heavy metal elements, easy-flammable or explosive materials
- Personal Protective Equipments [PPE] are required to prevent the powder from oral or breath adsorption and skin direct contact
- Any contaminated body parts should be suggested to a rapid wash-away. Serious cases should look for the doctor's treatment

Recommended powder coating formula based on MatteX-8:

Formulation No.	1#	2#	3#	4#	5#	6#
Polyester-A (50/50)	188	188	--	205	227	245
Polyester-B (60/40)	--	--	225	--	--	--
Epoxy (0.12)	329	329	291	--	302	290
Epoxy (0.14)	--	--	--	311	--	--
Resiflow PV-88, Estron	10	10	10	10	10	10
Benzoine	2	2	2	2	2	2
TiO ₂	--	224	--	--	--	--
BaSO ₄	419	200	420	420	429	433
Carbon Black MA100, Mitsubishi	5	--	5	5	5	5
MatteX-8	47	47	47	47	25	15
Total	1000	1000	1000	1000	1000	1000
Bake Schedule	200°C/10min., 180°C/15min., or 190°C/13min. (Object temperature)					
Gloss 60°[Gloss Units]	2.6%	6%	5%	3.5%	23%	33%
Impact, [KG*cm]	+/-50					
Appearance	Smooth					

- MatteX-8/epoxy(0.12)≈1:3
- More extender content can betolerated without impairing appearance and mechanical strength
- Finished powder is re-extrudable

Note:

Despite the surprising MatteX-8 may give for your formula, batch powder Line Trial for the powder user is strongly recommended. ZEHM will not be responsible for the loss caused by not properly using our Product Data Sheet. We also never exclude the possibility of the better performances we have never found for MatteX-8

* For more detail technical information, please contact our sales persons or send E-mail to: zehm@gz-zehm.com