PriMat A5 is a novel matting agent for polyester / β-hydroxyalkylamide (HAA) system. Using PriMat A5 prepared matting powder coating is cost-effective relative to polyester / GMA system. PriMat A5 has the following characteristics:

- TGIC free: Avoid the toxicity of polyester/TGIC system

- Lowest gloss to ca 4%@60°, depending on the selected polyester resin

- Full mechanical performance

- Other: Good appearance

Typical Properties:

- Appearance：White or light yellow powder.

- Volatile Organic Compounds (VOCs)：≤3.0%（wt.%）(200C/15min.)

- Softening point, RING AND BALL：95-120℃

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 formulas based on PriMat A5

Formulation No.	1#	2#	3#	4#
DSM P782	500	-	-	-
Cytec 2618-3	-	500	-	500
Kinte 6583	-	-	500	-
HAA	21	26	26	26
Leveling agent	9	9	9	9
Benzoin	2	2	2	2
TiO$_2$	175	173	173	-
Carbon Black	-	-	-	6
BaSO$_4$	193	193	193	357
PriMat A5	95	95	95	95
Surface modifier	5	2	2	5
Total	1000	1000	1000	1000
Bake Schedule	200℃/15min.(Object temperature)			
Gloss 60°[Gloss Units]	4%	8%	6.5%	4%
Impact, [KG*cm]	+/-50			
Appearance	Smooth			

- Mixture ratio for P782 and HAA is 96:4, 2618-3/6583 and HAA is 95:5

Note:

Despite the surprising PriMat A5 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 PriMat A5.

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