

## AHA1051

### Oligomer surfactant textured additive for powder coatings

**AHA1051** is an oligomer surfactant with low surface tension, which specially designed for providing “one shot” hybrid or TGIC powder coating with special textured finish or pattern such as hammertone or veining.

#### Specification

Appearance	fine white color powder
Specific gravity	1.5
Volatiles (%)	≤0.5

#### Characteristics

- Applicable to hybrid, polyester/TGIC powder coatings and so on.
- Capable of once resulting structure patterns by “one shot” process, therefore ready to powder recovery and re-use.
- Low use levels and consistent textured finishes.

#### Use levels

Approx. 0.1-0.4% by weight, calculated on total formulation, depending on textured finish desired, such as pattern style and looser or tighter.

#### Incorporation

AHA1051 is added to the binder/pigment blend before extrusion, preferably, other ingredients blended in advance, then re-addition to such base powder under low shear conditions.

#### Suggested formulations

**Hybrid** [copper-gold surface like luster, base black color]

1) Base powder

<u>Formulation</u>	<u>Parts by weight</u>
Epoxy resin (E-12)	40
Polyester	40
BaSO <sub>4</sub>	20
Carbon black	0.7
AHA1051	0.1

2) Post addition [dry blending]:

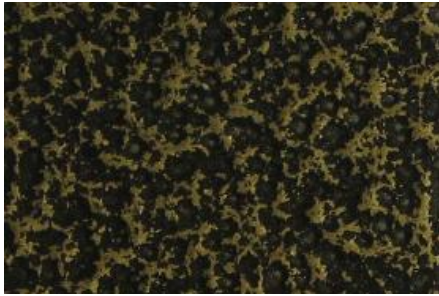
<u>Copper-gold pigment</u>	<u>3</u>
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Pattern style: Black and gold hybrid vein

*Notice:*

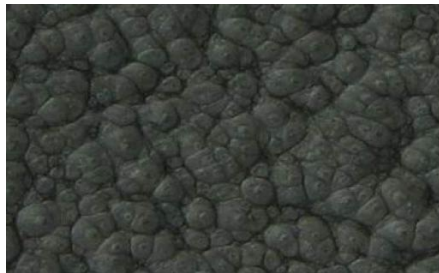
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**TGIC** [silver gray hammertone finish]

<b>Formulation</b>	<b>Parts by weight</b>
Polyester CC440 (Cytec.)	70
TGIC	4.7
BaSO <sub>4</sub>	25
Benzoin	0.5
Aluminum powder pigment [non-leaf]	1.5
AHA1051	0.1



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### **Storage**

Store in cool and dry place to avoid wetting-absorption. Keep package closed after using.  
Keep away from fire.

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### **Package**

Packing with PE lined craft paper bag. Net weight 25 Kg per drum.

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