

**PRODUCT TECHNICAL DATA SHEET**

**Code:** ES- PBB00030  
**Reference Date:** 08/06/2001

**WHITE PRINTING POWDER**

WHITE PRINTING POWDER 1060-1160°C.

**NATURE:**

Printing powder  
Not soluble in water

**CHARACTERISTIC**

| <b>TEST</b>         | <b>RESULT</b> |
|---------------------|---------------|
| <b>Acid attack</b>  | Clase GH A    |
| <b>Basic attack</b> | Clase GHA     |

**ANALYSIS:**

|                                |         |                                 |        |                                |         |                                |        |
|--------------------------------|---------|---------------------------------|--------|--------------------------------|---------|--------------------------------|--------|
| Al <sub>2</sub> O <sub>3</sub> | 25 - 30 | Sb <sub>2</sub> O <sub>3</sub>  | -      | As <sub>2</sub> O <sub>5</sub> | -       | CdO                            | -      |
| BaO                            | -       | Bi <sub>2</sub> O <sub>3</sub>  | -      | B <sub>2</sub> O <sub>3</sub>  | 0 - 5   | CaO                            | 5 - 10 |
| CeO <sub>2</sub>               | -       | CuO                             | -      | CoO                            | -       | Cr <sub>2</sub> O <sub>3</sub> | -      |
| Fe <sub>2</sub> O <sub>3</sub> | 0 - 5   | SnO <sub>2</sub>                | -      | SrO                            | -       | P <sub>2</sub> O <sub>5</sub>  | -      |
| HfO <sub>2</sub>               | 0 - 5   | Li <sub>2</sub> O               | -      | MgO                            | 0 - 5   | MnO                            | -      |
| MoO <sub>3</sub>               | -       | Nd <sub>2</sub> O <sub>3</sub>  | -      | NiO                            | -       | PbO                            | -      |
| K <sub>2</sub> O               | 0 - 5   | Pr <sub>6</sub> O <sub>11</sub> | -      | SeO <sub>3</sub>               | -       | Na <sub>2</sub> O              | 0 - 5  |
| SiO <sub>2</sub>               | 45 - 50 | SO <sub>3</sub>                 | -      | TiO <sub>2</sub>               | -       | V <sub>2</sub> O <sub>5</sub>  | -      |
| WO <sub>3</sub>                | -       | ZnO                             | 5 - 10 | ZrO <sub>2</sub>               | 25 - 30 |                                |        |

**PACKING:**

25 Kg bag

**STORAGE:**

In standard conditions of storage, their properties are preserved during long time periods. Keep out of water

**PRODUCT TECHNICAL DATA SHEET**

**Code:** ES- PBE04076  
**Reference Date:** 10/06/2004

**LUSTER SCREEN PRINTING POWDER**

LUSTER SCREEN POWDER FOR 1100-1180°C SINGLE FIRING.

**NATURE:**

Printing powder  
Not soluble in water

**ANALYSIS:**

|                                |         |                                 |        |                                |       |                                |        |
|--------------------------------|---------|---------------------------------|--------|--------------------------------|-------|--------------------------------|--------|
| Al <sub>2</sub> O <sub>3</sub> | 10 - 15 | Sb <sub>2</sub> O <sub>3</sub>  | -      | As <sub>2</sub> O <sub>5</sub> | -     | CdO                            | -      |
| BaO                            | 0 - 5   | Bi <sub>2</sub> O <sub>3</sub>  | -      | B <sub>2</sub> O <sub>3</sub>  | 0 - 5 | CaO                            | 5 - 10 |
| CeO <sub>2</sub>               | 5 - 10  | CuO                             | -      | CoO                            | -     | Cr <sub>2</sub> O <sub>3</sub> | -      |
| Fe <sub>2</sub> O <sub>3</sub> | 0 - 5   | SnO <sub>2</sub>                | -      | SrO                            | -     | P <sub>2</sub> O <sub>5</sub>  | 0 - 5  |
| HfO <sub>2</sub>               | -       | Li <sub>2</sub> O               | -      | MgO                            | 0 - 5 | MnO                            | -      |
| MoO <sub>3</sub>               | -       | Nd <sub>2</sub> O <sub>3</sub>  | -      | NiO                            | -     | PbO                            | 0 - 5  |
| K <sub>2</sub> O               | 0 - 5   | Pr <sub>6</sub> O <sub>11</sub> | -      | SeO <sub>3</sub>               | -     | Na <sub>2</sub> O              | 0 - 5  |
| SiO <sub>2</sub>               | 45 - 50 | SO <sub>3</sub>                 | -      | TiO <sub>2</sub>               | -     | V <sub>2</sub> O <sub>5</sub>  | -      |
| WO <sub>3</sub>                | -       | ZnO                             | 5 - 10 | ZrO <sub>2</sub>               | 0 - 5 |                                |        |

**PACKING:**

25 Kg bag

**STORAGE:**

In standard conditions of storage, their properties are preserved during long time periods. Keep out of water

**PRODUCT TECHNICAL DATA SHEET**

**Code:** ES- PBE04157  
**Reference Date:** 10/08/2007

**LUSTER SCREEN PRINTING POWDER**

LUSTER SCREEN POWDER FOR 1100-1180°C SINGLE FIRING.

**NATURE:**

Printing powder  
Not soluble in water

**ANALYSIS:**

|                                |         |                                 |        |                                |       |                                |        |
|--------------------------------|---------|---------------------------------|--------|--------------------------------|-------|--------------------------------|--------|
| Al <sub>2</sub> O <sub>3</sub> | 10 - 15 | Sb <sub>2</sub> O <sub>3</sub>  | -      | As <sub>2</sub> O <sub>5</sub> | -     | CdO                            | -      |
| BaO                            | 0 - 5   | Bi <sub>2</sub> O <sub>3</sub>  | -      | B <sub>2</sub> O <sub>3</sub>  | 0 - 5 | CaO                            | 5 - 10 |
| CeO <sub>2</sub>               | 5 - 10  | CuO                             | -      | CoO                            | -     | Cr <sub>2</sub> O <sub>3</sub> | -      |
| Fe <sub>2</sub> O <sub>3</sub> | 0 - 5   | SnO <sub>2</sub>                | -      | SrO                            | -     | P <sub>2</sub> O <sub>5</sub>  | 0 - 5  |
| HfO <sub>2</sub>               | -       | Li <sub>2</sub> O               | -      | MgO                            | 0 - 5 | MnO                            | -      |
| MoO <sub>3</sub>               | -       | Nd <sub>2</sub> O <sub>3</sub>  | -      | NiO                            | -     | PbO                            | 0 - 5  |
| K <sub>2</sub> O               | 0 - 5   | Pr <sub>6</sub> O <sub>11</sub> | -      | SeO <sub>3</sub>               | -     | Na <sub>2</sub> O              | 0 - 5  |
| SiO <sub>2</sub>               | 45 - 50 | SO <sub>3</sub>                 | -      | TiO <sub>2</sub>               | -     | V <sub>2</sub> O <sub>5</sub>  | -      |
| WO <sub>3</sub>                | -       | ZnO                             | 5 - 10 | ZrO <sub>2</sub>               | 0 - 5 |                                |        |

**PACKING:**

25 Kg bag

**STORAGE:**

In standard conditions of storage, their properties are preserved during long time periods. Keep out of water

**PRODUCT TECHNICAL DATA SHEET**

**Code:** ES- PBM00003

**Reference Date:** 22/12/2000

**MAT SCREEN POWDER**

**NATURE:** Opaque mat screen powder, Not soluble in water

**ANALYSIS:**

|                                |         |                                 |       |                                |         |                                |       |
|--------------------------------|---------|---------------------------------|-------|--------------------------------|---------|--------------------------------|-------|
| Al <sub>2</sub> O <sub>3</sub> | 15 - 20 | Sb <sub>2</sub> O <sub>3</sub>  | -     | As <sub>2</sub> O <sub>5</sub> | -       | CdO                            | -     |
| BaO                            | 0 - 5   | Bi <sub>2</sub> O <sub>3</sub>  | -     | B <sub>2</sub> O <sub>3</sub>  | 0 - 5   | CaO                            | 0 - 5 |
| CeO <sub>2</sub>               | -       | CuO                             | -     | CoO                            | -       | Cr <sub>2</sub> O <sub>3</sub> | -     |
| Fe <sub>2</sub> O <sub>3</sub> | -       | SnO <sub>2</sub>                | -     | SrO                            | -       | P <sub>2</sub> O <sub>5</sub>  | 0 - 5 |
| HfO <sub>2</sub>               | 0 - 5   | Li <sub>2</sub> O               | -     | MgO                            | 0 - 5   | MnO                            | -     |
| MoO <sub>3</sub>               | -       | Nd <sub>2</sub> O <sub>3</sub>  | -     | NiO                            | -       | PbO                            | 0 - 5 |
| K <sub>2</sub> O               | 0 - 5   | Pr <sub>6</sub> O <sub>11</sub> | -     | SeO <sub>3</sub>               | -       | Na <sub>2</sub> O              | 0 - 5 |
| SiO <sub>2</sub>               | 40 - 45 | SO <sub>3</sub>                 | -     | TiO <sub>2</sub>               | 0 - 5   | V <sub>2</sub> O <sub>5</sub>  | -     |
| WO <sub>3</sub>                | -       | ZnO                             | 0 - 5 | ZrO <sub>2</sub>               | 15 - 20 |                                |       |

**PACKING:**

25 Kg bag

**STORAGE:**

In standard conditions of storage, their properties are preserved during long time periods. Keep out of water

**PRODUCT TECHNICAL DATA SHEET**

**Code:ES-PBM00027**

**Reference Date:08/06/2001**

**TRANSPARENT MAT SCREEN POWDER**

**NATURE:**

Printing powder  
Not soluble in water

**CHARACTERISTIC**

| <b>TEST</b>         | <b>RESULT</b>    |
|---------------------|------------------|
| <b>Hardness</b>     |                  |
| <b>Acid attack</b>  | <b>Clase GLA</b> |
| <b>Basic attack</b> | <b>Clase GLA</b> |
| <b>PEI</b>          |                  |

**ANALYSIS:**

|       |         |        |        |       |       |       |        |
|-------|---------|--------|--------|-------|-------|-------|--------|
| Al2O3 | 20 - 25 | Sb2O3  | -      | As2O5 | -     | CdO   | -      |
| BaO   | 5 - 10  | Bi2O3  | -      | B2O3  | 0 - 5 | CaO   | 5 - 10 |
| CeO2  | -       | CuO    | -      | CoO   | -     | Cr2O3 | -      |
| Fe2O3 | 0 - 5   | SnO2   | -      | SrO   | -     | P2O5  | -      |
| HfO2  | -       | Li2O   | -      | MgO   | 0 - 5 | MnO   | -      |
| MoO3  | -       | Nd2O3  | -      | NiO   | -     | PbO   | 0 - 5  |
| K2O   | 0 - 5   | Pr6O11 | -      | SeO3  | -     | Na2O  | 0 - 5  |
| SiO2  | 45 - 50 | SO3    | -      | TiO2  | -     | V2O5  | -      |
| WO3   | -       | ZnO    | 5 - 10 | ZrO2  | -     |       |        |

**PACKING:**

25 Kg bag

**STORAGE:**

In standard conditions of storage, their properties are preserved during long time periods. Keep out of water

**PRODUCT TECHNICAL DATA SHEET**

**Code: ES-PBT00036**

**Date:14/02/2002**

**TRANSPARENT SCREEN POWDER**

1020°C-1100°C TRANSPARENT SCREEN PRINTING POWDER

**NATURE:**

Printing powder  
Not soluble in water

**CHARACTERISTIC**

| <b>TEST</b>         | <b>RESULT</b>    |
|---------------------|------------------|
| <b>Acid attack</b>  | <b>Clase GLA</b> |
| <b>Basic attack</b> | <b>Clase GLA</b> |

**ANALYSIS:**

|       |         |        |       |       |         |       |        |
|-------|---------|--------|-------|-------|---------|-------|--------|
| Al2O3 | 10 - 15 | Sb2O3  | -     | As2O5 | -       | CdO   | -      |
| BaO   | -       | Bi2O3  | -     | B2O3  | 10 - 15 | CaO   | 5 - 10 |
| CeO2  | -       | CuO    | -     | CoO   | -       | Cr2O3 | -      |
| Fe2O3 | 0 - 5   | SnO2   | -     | SrO   | -       | P2O5  | -      |
| HfO2  | -       | Li2O   | -     | MgO   | -       | MnO   | -      |
| MoO3  | -       | Nd2O3  | -     | NiO   | -       | PbO   | -      |
| K2O   | 5 - 10  | Pr6O11 | -     | SeO3  | -       | Na2O  | 0 - 5  |
| SiO2  | 55 - 60 | SO3    | -     | TiO2  | -       | V2O5  | -      |
| WO3   | -       | ZnO    | 0 - 5 | ZrO2  | -       |       |        |

**PACKING:**

25 Kg bag

**STORAGE:**

In standard conditions of storage, their properties are preserved during long time periods. Keep out of water