

## WX Series

### Unleaded Glass Enamels With Alkaline Resistance

#### Markets and industries

Enamels for the decoration of decorating returnable bottles.

| COLOR           | PART NUMBER | PANTONG | COLOR             | PART NUMBER | PANTONG |
|-----------------|-------------|---------|-------------------|-------------|---------|
| RED             | WX 10611*   | 186C    | PEPSI RED         | WX 10311    | 174C    |
| IRON RED        | WX 10311    | 174C    | PEPSI BLUE        | WX 50311    | 293C    |
| YELLOW          | WX 20611*   | 107C    | COKE RED          | WX 10611*   | 186C    |
| WHITE           | WX 30311    | 102C    | COKE ZERO BLACK   | WX 70211    |         |
| GREEN           | WX 40411    | 347C    | SPRITE YELLOW     | WX 20411    | 107C    |
| BLUE            | WX 50311    | 293C    | SPRITE BLUE       | WX 50311    | 293C    |
| BROWN           | WX 60111    | 490C    | FANTA BLUE        | WX 51411    | 661C    |
| BLACK           | WX 70211    |         | FANTA GREEN       | WX 40511    | 360C    |
| FLUX            | WX 00111    |         | MIRINDA GREEN     | WX 40411    | 347C    |
| ETCH            | WX 00211    |         | MONTAIN DEW RED   | WX 10311    | 174C    |
| METALLIC GOLD   | WX 81011    |         | MONTAIN DEW GREEN | WX 41011    | 380C    |
| METALLIC SILVER | WX 82011    |         | CORONA DARK BLUE  | WX 50411    | 289C    |
| METALLIC COPPER | WX 83011    |         | RC BLUE           | WX 51011    | 295C    |

\* cadmium containing colors

#### Chemical composition

Enamels of WX series do not contain heavy metals like Pb, Cd, Hg and Cr<sup>6+</sup> except some colors like red, yellow and orange which have to use cadmium pigments to satisfy the requirements by customers.

#### Firing conditions

Firing from room temperature to 630~650°C in a cycle of 45 min to 1.5 hour, with a soaking period of approx. 10 min.

#### Chemical resistance

Alkaline resistance assessment according to ASTM C675-91,

9.1 % sodium hydroxide, 0.9 % trisodium phosphate. At 88°C, 2 hours \* 4 cycles (total 8 hours).

Acid resistance assessment according to ASTM C724-91,

10 % citric acid, 15mins at 22±2°C, Grade: 4.

#### Limitation of Warranty and Liability

We believe that the information shared in this document is accurate at the time of its publication. It is not a product specification, either in whole or in part. Users are responsible for determination of the suitability of this product and for testing in specific applications. Please test first before use. Nothing in this document shall be construed as a license for use that infringes upon any property rights of any third party. Please refer to the Safety Data Sheet (SDS) for safe use, handling and disposal information.

## WX 系列

### 无铅耐碱玻璃釉料

#### 市场行业

用于装饰可回收类玻璃瓶的釉料。

| 颜色      | 编号        | 潘通色卡号 | 颜色    | 编号        | 潘通色卡号 |
|---------|-----------|-------|-------|-----------|-------|
| 红色      | WX 10611* | 186C  | 百事可乐红 | WX 10311  | 174C  |
| 铁红      | WX 10311  | 174C  | 百事可乐蓝 | WX 50311  | 293C  |
| 黄色      | WX 20611* | 107C  | 可口可乐红 | WX 10611* | 186C  |
| 白色      | WX 30311  | 102C  | 零度可乐黑 | WX 70211  |       |
| 绿色      | WX 40411  | 347C  | 雪碧黄   | WX 20411  | 107C  |
| 蓝色      | WX 50311  | 293C  | 雪碧蓝   | WX 50311  | 293C  |
| 棕色      | WX 60111  | 490C  | 芬达蓝   | WX 51411  | 661C  |
| 黑色      | WX 70211  |       | 芬达绿   | WX 40511  | 360C  |
| 调色剂     | WX 00111  |       | 美年达绿  | WX 40411  | 347C  |
| 蒙砂      | WX 00211  |       | 激浪红   | WX 10311  | 174C  |
| 金色 (珠光) | WX 81011  |       | 激浪绿   | WX 41011  | 380C  |
| 银色 (珠光) | WX 82011  |       | 科罗娜深蓝 | WX 50411  | 289C  |
| 铜色 (珠光) | WX 83011  |       | RC 蓝  | WX 51011  | 295C  |

\*颜色中含镉

#### 化学成分

WX 系列釉料不含铅、镉、汞、+6 价铬等重金属，除了为满足客户需求而含镉的一些颜色，像红色、黄色和橙色。

#### 焙烧工艺

经过 45 分钟到 1.5 小时从室温升温到 630~650°C 后，保温 10 分钟左右。

#### 耐化学性

耐碱性评估根据 ASTM 标准 C675-91,

9.1%氢氧化钠, 0.9%磷酸钠, 88°C 下 2 小时 \* 4 个循环 (合计 8 个小时)。

耐酸性根据 ASTM 标准 C724-91,

10%柠檬酸, 22±2°C 下 15 分钟, 等级: 4。

#### 保证和责任限制

我们确信本文件公布时所共享的信息是准确的。它不是全部或部分的产品规格。用户负责确定本产品的适用性，并在特定应用中进行测试。使用前请先测试。本文件中的任何内容均不得解释为侵犯任何第三方财产权利的使用许可。有关安全使用、处理和处置信息，请参阅安全数据表 (SDS)。