

Sudatherm™ Brown 6411C

Pigment for Coatings

Product Description

Manganese Antimony Titanium, a dark brown colored rutile pigment with excellent chemical, light and weather fastness for all coating applications.

Product Information

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| Chemical Type | (Ti,Mn,Sb)O ₂ | CAS NO. | 68412-38-4 |
| C. I. Name | Pigment Yellow 164 | EINECS / ELINCS NO. | 270-185-2 |
| C. I. Constitution No. | 77899 | Physical Appearance | Brown Powder |

Application Profile

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|--------------------------------|---|-------------------------------|----|
| Decorative Solvent Base Paints | ● | Decorative Universal Stainers | -- |
| Industrial Paints | ● | Decorative Water Base Paints | ● |
| Automotive OEM | ○ | Powder Coatings | ● |
| Automotive Refinish | ○ | Coil Coatings | ● |

● Recommend | ○ Potential Use | -- Not recommended

Technical Performance

| | | | |
|----------------|--------------------|--------------------|------------|
| Heat Stability | Overspray Fastness | Weather Resistance | Full Shade |
| >500°C | 5 | Light Fastness | 5 |
| | | | 8 |

Physical Properties

| | | | |
|----------------------|------------|---------------------------------|---|
| Oil Absorption | 23 ± 10% | Bleeding in Xylene | 5 |
| Specific Gravity | 3.70 ± 0.1 | Bleeding in Methyl Ethyl Ketone | 5 |
| Bulk Density (g/ml) | 0.95 ± 0.1 | Bleeding in Ethyl Acetate | 5 |
| pH Value | 6- 8 | Bleeding in Cellosolve | 5 |
| Volatile Matter | 1% max | Bleeding in Mineral Turpentine | 5 |
| Resistance to Acid | 5 | | |
| Resistance to Alkali | 5 | | |

- ✓ **Light fastness:** Light fastness rating is assessed on 1 to 8 Blue Wool scale where 1 = 'Poor' and 8 = 'Excellent'.
- ✓ **Weather fastness:** Weather fastness rating is assessed on 1 to 5 Grey scale where 1 = 'Poor' and 5 = 'Excellent'.
- ✓ **Heat stability:** Heat stability values given indicate the maximum temperature at which the pigments can be stored.
- ✓ **Oil absorption:** The oil absorption was determined on the basis of EN ISO 787-5 and given in linseed oil per 100 gm. pigment.
- ✓ **Solvent bleeding:** The bleeding in solvents was tested using the powder grades and the visual rating given on 1 to 5 Grey scale where 1 = 'Heavy bleeding' and 5 = 'No bleeding'

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