

**Plirox® K180M**

**Type:** red pigment  
**Delivery Form:** solid (powder)  
**Chemical class:** synthetic ironoxid  $\alpha$  -Fe<sub>2</sub>O<sub>3</sub>  
**Colour Index :** red 101 (77491)  
**CAS-Nr.:** 1309-37-1  
**REACH Registration No(s).:** 01-2119457614-35-0084

**Specification: color values and tinting strength against standard**

binder: alkyd resin

	Full Shade		Reduction (TiO <sub>2</sub> , 1:5)	
	min	max	min	max
$\Delta L^*$	-0,5	0,5	-0,5	0,5
$\Delta a^*$	-0,6	0,6	-0,6	0,6
$\Delta b^*$	-0,6	0,6	-0,6	0,6
$\Delta E_{ab}^*$		0,8		0,8
Relative Tinting Strength (%)			97	103

**Technical Data:**

<b>Water soluble content (%)</b>	≤ 0,3
<b>Sieve residue (0,045mm Sieve) (%)</b>	≤ 0,007
<b>pH-value</b>	5-7
<b>Content Fe<sub>2</sub>O<sub>3</sub> (%)</b>	≥ 96
<b>Moisture (after production) (%)</b>	≤ 1,0
<b>Particle shape</b>	spherical
<b>Oil absorption (ml / 100g)</b>	~ 16
<b>Tamped app. Density (g/ml)</b>	0,7-1,1

Test methods are based on ISO 1248 and ISO 787

**Standard packaging:** 25kg bag**Transport and storage:** Protect against weather. Store in a dry place and avoid extreme fluctuations in temperature.**Open packaging:** To prevent the absorption of air moisture close bags shortly after use.**Safety:** The product is not classified as dangerous under EU directives. It is not dangerous according to transport regulations.Please observe the corresponding material safety data sheet, which contains information on product safety, ecology and handling. MSDS No.: **00242**

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