

TENTATIVE TECHNICAL DATA SHEET

July 2014

TIMREX[®] NeroMix L10

TIMCAL Dispersion

Aqueous Carbon Dispersion for Lubrication in Coatings

General Characteristics

TIMREX[®] NeroMix L10 is a binder-free aqueous semi-finished dispersion based on carbon pigments optimized for providing low friction in coatings. The carbon is stabilized in the aqueous medium by non-ionic dispersants. TIMREX[®] NeroMix L10 serves as a versatile base product for the formulation of low friction coatings on various substrates by adding suitable binder materials and other dispersion additives that may be required to control the rheology and wetting behavior of coatings.

Standard Packaging

25 kg drum, 10 drums on one pallet (250 kg)
200 kg drums

Guaranteed Values

Ash (of carbon)	< 0.1	%
Solid Content	25.5 – 30.0	%
pH (right after production)	4.5 – 8	

Typical Values

Density of Dispersion at 20°C	1.17	g/cm ³
Viscosity (Cone-Plate, 20°C, 10 s ⁻¹)	4300	mPa.s

Application

Prior to use TIMREX[®] NeroMix L10 has to be carefully stirred as sedimentation may occur during extended storage. Excessive stirring must be avoided to prevent formation of microfoam. In this state a binder and other additives can be added in order to obtain an electrically conductive coating with suitable properties for the specific application. The pH of the dispersion should be kept in the range 4-9. The drying temperature of coatings based on TIMREX[®] NeroMix L10 should not exceed 150 °C.

Storage

TIMREX[®] NeroMix L10 should be stored in closed containers. Storage temperature must not be below 5 °C and should not exceed 40 °C to prevent degradation of the dispersion. Freezing has to be avoided in any case. A shelf-life of six months is guaranteed from the production date.