Technical data sheet

Date: 2024-08-30

Product name: CB 400

Description: Aluminium pigments, paste

Test criteria	Unit	Value
Water coverage (Butanol)	cm^2 /g	38 000 [1)]
Residue on sieve 71 µm	max %	0 [2)]
Particle size D50 Malvern	µm	12 [3)]
Leafing value	min %	70 [2)]
Matter soluble in organic solvent	max %	4,0

[1)] Typical value before conversion to final product.

[2)] Value before conversion to final product.

[3)] Typical value

Analysis according to ISO 1247

The standard of non-volatile content is 60 %.
Standard solvents: Mineral oil (MO), ethyl acetate (EA), ethanol, 1-methoxy-2-propanol (D), xylene.

The recommended method of dispersion is to soak the paste in 1-2 times their weight of a suitable solvent, then mix gently to a creamy consistency by low shear stirring. When completely dispersed, the remainder of the formulation may be slowly added under gentle but efficient agitation. If it is necessary to use high shear to dissolve or disperse any component of the binder, this should be done before introducing the aluminium pigment.

Shelf life is 7 months from manufacturing date. For more information about handling and storage see section 7 in the Material Safety Data Sheet.

Our products are potentially dangerous to handle, especially in connection with water systems. The products must therefore be handled with care. Reaction between aluminium and water systems cause hydrogen gas and risk for explosions. Technical details and informations about our products are given for the purpose of technical description only and do not imply any legal guarantee for the properties of the products. Carlfors Bruk AB does not give any guarantee for the suitability of the products for any particular application or process. Therefore the customer bears all responsibility in that respect. We reserve the right to alter any product data as a result of technical progress or further developments in the manufacturing process.

Carlfors Bruk AB
Box 44, SE-561 21 Huskvarna, Sweden · Phone +46 36 38 95 00 · Fax +46 36 14 17 54
E-mail: cb@carlfors.se · www.carlfors.se