

EDAPLAN® 490

Wetting agent and dispersant for aqueous coatings and pigment concentrates

Physical and chemical data

Composition:

Solution of a high molecular weight copolymer with pigment affinic groups in water, nonionic

Appearance:

Liquid

Colour:

Brownish, yellow

Typical Properties:

Active ingredients:	approx. 40 %
Consistency:	medium viscosity
Density at 20 °C:	approx. 1.0 g/cm ³
Flash point:	> 100 °C
pH (2% in D.I. water)	approx. 8

This information is intended as a guideline only and should not be used to issue specifications. Slight deviations do not affect application and capability of the product. For specifications please consult the Certificate of Analysis.

Properties and applications

EDAPLAN 490 is a VOC-free wetting agent and dispersant for organic and inorganic pigments as well as carbon blacks in aqueous media. It is ideal for the manufacture of flood/float-free aqueous coatings systems (air dry and force dry, 2K-systems) as well as for the manufacture of aqueous resin-free pigment concentrates. EDAPLAN 490 stabilizes pigment dispersions and reduces the mill-base viscosity. Gloss, colour strength and hiding power are improved and reflocculation is prevented.

EDAPLAN 490 allows to achieve very high pigment loading at low dosage in binder free pigment paste formulations.

Recommended levels and use

Ladder studies are recommended to determine optimum concentration level. Normal dosage ranges from 10 - 50 % EDAPLAN 490 in delivery form for organic pigments and carbon blacks, calculated on pigment solids. For dosage recommendations of specific pigments and for determination of dispersant demand please consult our additional technical information and guide formulations.

Storage and handling

EDAPLAN 490 is not sensitive to freezing but for better handling it should be stored between 5 and 25 °C. The minimum shelf life in closed containers is 12 months from the date of dispatch.

Packaging

Totes holding 1000 kg net, drums holding 155 kg net and kegs holding 30 kg net.

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