



PATCHAM (FZC)

PAT-ADD DA 801

PRODUCT DATA SHEET

PAT-ADD DA 801 is a polymeric dispersing agent for use in solvent-borne and solvent-less paints, inks and colorants.

PAT-ADD DA 801 is multifunctional and compatible with a wide range of apolar and polar solvent-borne paint systems. Although, PAT-ADD DA 801 is multifunctional and applicable to most pigments, it is particularly effective as dispersant for carbon black.

PHYSICAL CHARACTERISTICS:

Appearance	: Clear yellowish liquid
Viscosity @ 25°C, approx	: 600 cPs
Specific gravity @ 25°C, approx	: 1.015
Polarity	: Electro neutral
Composition	: Polymeric
Solids content, approx.	: 99 -100%

PROPERTIES:

PAT-ADD DA 801 is a polymeric dispersing agent showing strong adsorption properties onto a wide variety of pigment surfaces, contributing to best dispersion stability.

PAT-ADD DA 801 is strongly adsorbed onto inorganic pigments and extenders, contributing to enhanced steric stabilisation against re-flocculation.

MAIN BENEFITS ARE:

- A universal dispersant
- Optimises the milling process, enabling high pigment loading
- Provides excellent color development
- Solvent-free
- Strong prevention of pigment flocculation, floating, flooding, and pigment settling
- Wide range of compatibility, in solvent-borne, solvent-free as in most waterborne formulations
- For industrial, architectural paints, for printing inks and colorants

DOSAGE AND ADDITION:

The optimal amount of PAT-ADD DA 801 to be used is system related, but generally is between 0.4 and 1.5% PAT-ADD DA 801, calculated on the total weight of paint formulation. The product is added to the mill-base prior to the dispersion process.

For use as dispersing agent in inks, a dosage between 0.7 and 3% on total weight of the ink, is typically required. For use in pigment concentrates and colorants higher levels are suggested, such as 3 to 10% PAT-ADD DA 801 on total weight of the pigment dispersion formula.

The optimum concentration to be used depends on the individual requirements and conditions.

For information on handling and safety please refer to the information from the Material Safety Data Sheet