



PATCHAM (FZC)

# PAT-ADD DA 2047

## PRODUCT DATA SHEET

Rev No. 0

Date :-18/12/2014

PAT-ADD DA 2047 is a polymeric wetting and dispersing agent, for use in composites.

Pat-Add DA 2047 is applicable in conjunction with a variety of resin systems, such as UPR, vinyl esters and epoxies

PAT-ADD DA 2047 is effective to stabilise the systems and optimize colour performance and stability.

### **PHYSICAL CHARACTERISTICS:**

Appearance	:	Clear to slightly hazy yellowish liquid
Viscosity @ 25°C, approx	:	150 cP
Specific gravity @ 25°C, approx	:	0.950
Amine value	:	approx. 9.0 mg of KOH/gm
Composition	:	polymeric polyurethane with cationic pigment affinic groups
Solvents	:	n-butyl acetate
Solids content, approx.	:	28 - 32%

“Physical parameters indicated here in product data sheet are typical properties and not specification limits or range.”

### **PROPERTIES:**

PAT-ADD DA 2047 is a unique, surface active polymer, showing strong adsorption properties onto a wide variety of pigment surfaces, contributing to best dispersion stability, low viscosity pigment dispersions and high transparency for fine particle sized pigments.

### **Main benefits are:**

- Optimizes colour homogeneity
- Contributes to improved fibre wetting
- Free of aromatic solvents
- Designed for UPR, vinyl esters and epoxies compounds

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



PATCHAM (FZC)

# PAT-ADD DA 2047

## PRODUCT DATA SHEET

Rev No. 0

Date :-18/12/2014

---

### **DOSAGE AND ADDITION:**

The optimal amount of PAT-ADD DA 2047 to be used is application related. In case of optimisation pigment dispersion, generally a dosage of approx. 2.5% SOP for inorganic pigments to approx. 30% SOP in case of carbon black or organic pigments are used.

A dosage of in between 0,4 to 1,0% Pat-Add DA 2047 is typically applied for optimisation of fibre wetting or prevention of phase separation. It is suggested to perform a ladder study in order to determine the optimal dosage for each particular system. Pat-Add DA 2047 is homogenized in the resin system, before the incorporation of solids (pigments, fillers).

*While every effort is made to provide accurate and complete information, performance of the product may vary depending upon different raw materials, formulations, test procedures and test conditions. Hence Patcham (FZC) and its representative disclaim any kind of liability.*

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

---

P.O. Box 7753, SAIF Zone, Sharjah, United Arab Emirates  
Phone : +971-6-5570035 Fax: +971-6-5570038 E-mail: patcham@eim.ae  
www.patchamltd.com