

# Pat-Add DA 3051

## HMV Wetting and Dispersing Agent



PATCHAM

**Pat-Add DA 3051** is a specially designed polymer with a higher molar volume (HMV) compared to conventional high molecular weight dispersing agents. The multi anchoring groups of Pat-Add DA 3051 provides a thicker adsorbed layer around the pigment to improve resistance towards flocculation, thus enhancing the stability of pigment dispersions.

### Features of Pat-Add DA 3051

- Highly recommended for pigment dispersion systems to address issues like floatation, separation and flocculation
- Improves dilution stability in coating systems
- Improves gloss, color strength and transparency
- Compatible in wide range of resins and variety of pigment

### Transparencies of Diluted Pigment Dispersion of Organic Pigments



PV 19



PB 15:3

Pat-Add DA 3051 Reference A Reference B

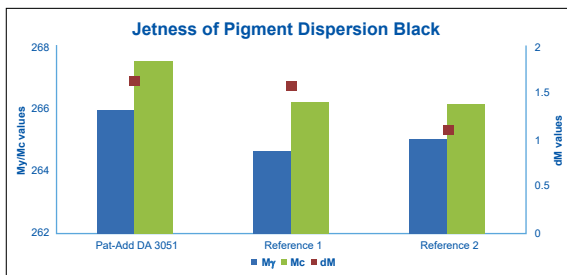
### Stability of Pigment Dispersion Black



Pat-Add DA 3051

Reference A

Reference B



- Stage of addition : Mill base
- Recommendation dosage based on Pigment
- Inorganic pigments : 5-30 %  
Titanium dioxide : 5-6 %  
Organic pigments : 20-70 %  
Carbon blacks : 40-150 %  
Co-grind : 0.5-2.0 %

**End Use Application:-** Pigment Dispersions, Baking and ambient cured co-grinding as well as direct grinding Industrial, Automotive and Protective coating systems.