TEXIPOL® 63-237

Anionic Inverse Emulsion Thickener

INTRODUCTION

TEXIPOL 63-237 is a multifunctional inverse emulsion thickener which Scott Bader have developed specifically for the pigment printing of textiles. TEXIPOL 63-237 is supplied as a low viscosity, easy to use inverse emulsion which, if required, can easily be pumped and metered. The polymer in TEXIPOL 63-237 is already in solution, therefore thickening of printing paste formulations is almost instantaneous. Pigment printing formulations can be effectively thickened by the direct addition of TEXIPOL 63-237 to the mix, or by following the conventional method of preparing a thickener stock. TEXIPOL 63-237 is a suitable thickener for pigment printing of cotton, polyester, blended fabrics or other fibrous material. TEXIPOL 62-237 is Alkyl Phenol Ethoxylate free.

CHARACTERISTICS **(Not to be taken as a specification)**

Appearance		creamy liquid
Specific Gravity at 25ºC		~1.05
Inverse emulsion viscosity (Brookfield RVT, Spindle 7, 100 rpm at 25ºC)	mPa s	4,500
Thickened deionised water*	mPa s	38,000
Flow of thickened compositions		extremely short
Polymer charge		anionic
Polymer compatibility		anionic/ non-ionic
Flash point	ºC	100

* Deionised water thickened with 2% of TEXIPOL 63-237 as supplied. Brookfield RVT, Spindle 6, 5 rpm at 25ºC.

BENEFITS

Sharper and better defined prints.

Superior fastness dry and wet, colour brightness, colour yield & handling.

Easy to use compared to powders and non-dispersed gels.

Instantly modifies the Rheology and viscosity of the printing paste formulations.

Can be added directly to printing pastes. Effective in use over a wide pH range.

Does not require the use of any other additives such as ammonia, surfactant, activator, promoter, etc.No significant odour.

TEXIPOL 62-237 is Alkyl Phenol Ethoxylate free

APPROVALS

TEXIPOL 63-237 is suitable for use in Öko-Tex applications.

APPLICATIONS

Suggested applications include the use of TEXIPOL 63-237 for thickening pigment printing pastes for printing cotton, polyester, blended fabrics and other fibrous materials. TEXIPOL 63-237 can be used for preparing a thickener stock with or without other additives, except colour. When covered adequately [preferably in the absence of air], thickened stock can be stored for long periods, without any signs of skin formation. In another method, TEXIPOL 63-237 is added to the stirring mixture of pre-weighed water, pigment and binder and other ingredients of the printing paste formulation. Thickening is normally achieved in less than 1 minute, but the optimum thickening time might vary according to stirrer efficiency and formulation ingredients.

A typical formulation is TS2822.

Thickened paste has a viscosity of >30,000 mPas, (Brookfield RVT, Spindle 6, Speed 5 at 25°C) and pH of ~8.5. Other chemicals, such as preservatives, humectants, antifoams, softeners, definition improvers, etc, if required can also be added to the print paste formulations, preferably before the addition of TEXIPOL 63-237. TEXIPOL 63-237 is suitable for printing using handscreens, rotary and flat bed printing machines.

PACKAGING

TEXIPOL 63-237 is supplied in 120 kg polyethylene open-topped kegs, 200 kg lacquer-lined open-topped drums and 1000 kg tanks and 100 kilo polyethylene kegs.

STORAGE

TEXIPOL 63-237 may be stored at temperatures between 5° - 40°C. If the product freezes it should be thawed completely by placing the container in a warm water bath and homogenised completely by mixing thoroughly before use. TEXIPOL 63-237 can be stored in glass, stainless steel, plastic or epoxy lined vessels. It should not be stored in mild steel, copper or aluminium containers.

HEALTH & SAFETY

Please see separate Material Safety Data Sheet.

Issue No. 2

Scott Bader Company Limited
Wollaston, Wellingborough, Northamptonshire, NN29 7RL
Telephone: +44 (0) 1933 663100 Facsimile: +44 (0) 1933 666529