

HEUCOFLUSH YELLOW 12

HIGH SOLID UNIVERSAL FLUSH



Technical Data Sheet for Flush

Rev. Date: 03 / 2009

Rev. No.: 1

PRODUCT DESCRIPTION	
Color Index	Pigment Yellow 12
C.I. No.	21090
Chemical Type	Diarylde Yellow
Pigment Content	40%
Vehicle Type	Modified Phenolic/Drying oil/Distillate
Solvent Boil Range	280°C to 310°C
Solvent Content	5%(Approx)
Dispersion	Below 5 Microns
Moisture Content	Below 2%

FULL TONE	REDUCTION

This flush is a low VOC (Less than 5%) high solid system. The inks based on this unique product exhibit excellent gloss, very good set speed, fast work & turn properties. The very high strength flushes of this family allow the ink technologies a wider window of opportunity to design inks suitable to run successfully on different print stocks as well as printing machine of different makes.

RESISTANCE TO BLEED	
Water	Excellent
Soap	Excellent
Alcohol	Very good
Lacquer Solvent	Good

CHEMICAL RESISTANCE	
Acid (Dilute HCL)	Excellent
Alkali (Dilute NaOH))	Excellent

FASTNESS PROPERTIES	
Full Strength	Fair
Tint	Poor

STANDARD PACKAGING
-200 kg Poly Bag, 500 kg Poly Bag
- Different types of packaging are available on request

® = Registered trademark of Heubach Colour Pvt. Ltd. Our product specifications and application information are based on our current knowledge. They are non-binding and cannot be taken as a guarantee. The processing company must establish the suitability of individual products itself. As their use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in particular applications. In addition to that, the legal rights of third parties must always be considered. The specification agreed between the customer and ourselves is the basis upon which our general sales and delivery conditions are set and is the deciding factor concerning any liabilities. Our standard specification is then valid if no specification has been agreed upon between the customer and us.

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SUGGESTED STARTING FORMULATION Quick Set Ink For Coated Paper

FSO/PY 12/008-Diarylide Yellow	31.00
Gel Varnish (Quick set)	55.00
Polyethylene Wax Compound	04.00
PTFE Compound	01.00
6% Co/Mn Drier	02.50
Antioxidant Solution (20%)	01.60
M-60 Oil (Distillate)	04.90
Total	100.00

RESULTS

Viscosity (Laray/Poise/27°C)	210
Tack (Inkometer/10 min/800rpm)	10.8
Tack rise/Min(Inkometer)	0.18
Water Pick up (Duke Emulsion Test - With DM water)	40% (500 Rotation)
Gloss (60°)	55

Using this flush

It is possible to design inks for coated and uncoated paper stocks, fast speed printing machine, as well as slow speed older machine .

The flushes from this system are specifically designed to have ease of handling/mixing and also very high strength (35-45%) flush gives std print density in above formulation.

This presents variety of possibilities for the ink maker to design an ink technically and economically acceptable to the end user.

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