

HEUCOFLUSH BLUE 15:3

HIGH SOLID UNIVERSAL FLUSH

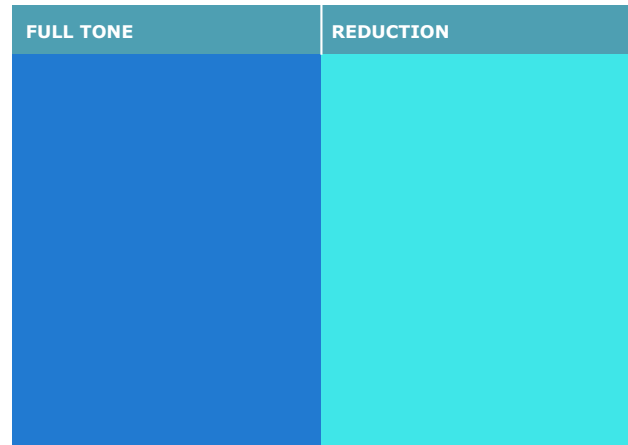


Technical Data Sheet for Flush

Rev. Date: 03 / 2009

Rev. No.: 1

PRODUCT DESCRIPTION	
Color Index	Pigment Blue 15:3
C.I. No.	74160
Chemical Type	Cu-Phthalocyanine,beta-mod
Pigment Content	42%
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%



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	Excellent
Lacquer Solvent	Excellent

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

FASTNESS PROPERTIES	
Full Strength	Excellent
Tint	Excellent

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

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SUGGESTED STARTING FORMULATION (SHEET FED)

FSO/PB 15:3/ 015-Phthalo Blue Flush	44.00
Gel Varnish (Quick set)	42.90
Polyethylene Wax Compound	04.00
6% Co/Mn Drier	02.50
Antioxidant Solution (20%)	01.60
M-60 Oil (Distillate)	05.00
Total	100.00

RESULTS

Viscosity (Laray/Poise/27°C)	210
Tack (Inkometer/10 min/800rpm)	11
Tack rise/Min(Inkometer)	0.10
Water Pick up (Duke Emulsion Test - With DM water)	44% (500 Rotation)
Gloss (60°)	60

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.