

HEUCOFLUSH RED 57:1

HIGH SOLID UNIVERSAL FLUSH



Technical Data Sheet for Flush

Rev. Date: 03 / 2009

Rev. No.: 1

| PRODUCT DESCRIPTION | |
|---------------------|---|
| Color Index | Pigment Red 57:1 |
| C.I. No. | 15850:1 |
| Chemical Type | Rubine Red |
| Pigment Content | 37% |
| 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 | Poor |
| Alcohol | Very good |
| Lacquer Solvent | Very good |

| CHEMICAL RESISTANCE | |
|-----------------------|-----------|
| Acid (Dilute HCL) | Very good |
| Alkali (Dilute NaOH)) | good |

| FASTNESS PROPERTIES | |
|---------------------|------|
| Full Strength | Good |
| Tint | Fair |

| 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/PR 57:1/016 Rubine Red Flush | 45.00 |
| Gel Varnish (Quick set) | 40.40 |
| Polyethylene Wax Compound | 04.00 |
| PTFE Compound | 02.00 |
| 6% Co/Mn Drier | 02.50 |
| Antioxidant Solution (20%) | 01.60 |
| M-60 Oil (Distillate) | 04.50 |
| Total | 100.00 |

RESULTS

| | |
|--|--------------------|
| Viscosity (Laray/Poise/27°C) | 210 |
| Tack (Inkometer/10 min/800rpm) | 10.5 |
| Tack rise/Min(Inkometer) | 0.14 |
| Water Pick up (Duke Emulsion Test - With DM water) | 40% (500 Rotation) |
| Gloss (60°) | 50 |
| | |
| | |
| | |

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.