

Furan Resins

Ref: SD 001

Environmental issues are prominent in most people's minds across Europe, and the environment is, therefore, a major issue in today's foundry. With this in mind Eurotek have developed a new range of environmentally friendly furan binder systems. These resins and catalyst systems are designed for low fume at both the mixing and casting stations. This, coupled with very low resin additions due to the high strength characteristics, means significant advantages over traditional Furan binders.

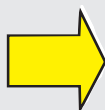
Benefits

- Low binder required typically 0.65-0.85%
- High levels of sand reclamation 85-95%
- Fast strip times
- Low costs, Low SO₂
- High surface finish
- Use with most alloys



← **PERMACOL:** Excellent mould strengths allows early mould handling. High reactivity allows reduced acid levels.

PERMACOL: Gives excellent breakdown and knockout properties, and low odour at mixing, casting & knockout stations



These new high performance binders offer the ability to be linked to Eurotek's Process Control Technology (see Sales Data sheet SD07) for the ultimate control and minimization of addition rates, leading to

LOW EMISSIONS - LOW ADDITIONS - LOW COST

PERMACOL – For a cleaner environment

EUROTEK FOUNDRY PRODUCTS LIMITED

Wistons Lane, Elland, West Yorkshire, England HX5 9DT.
Telephone: 00 44 1422 375550. Facsimile: 00 44 1422 375504
www.eurotek.eu.com Email: info@eurotek.eu.com

Furan Resins

Ref: SD 001

Applications

PERMACOL: Binders can be used for most jobbing foundries , boxed or Boxless moulds , and with most alloys. Typical addition rates would be 0.65% to 0.85% on an 85-95% reclaimed sand system. To achieve the optimum environment and casting performance, careful selection of the binder & catalyst (PERMACAT) is required, and this will depend on a number of points:

1. Metal to be cast , and size of casting
2. Speed of cure required
3. Strength of mould or core required
4. Pattern equipment & Pattern release

PERMACAT should be used as advised, with typical additions of 25-35% of resin weight .

Typical Products – Furan Binders

Grade	Type	FA	N2	Application
PS 813	UF/FA	High	5.0	Core & mould making slower cure applications requiring good strip.
PS 816	UF/FA	High	2.0	Good quality high reclamation resin for Iron applications.
PS 844	PF/UF/FA	High	3.0	Ideal for large boxed Ferrous applications
PS 850	PF/UF/FA	High	2.2	Excellent binder for all alloys, giving good pattern release
PS 856	PF/FA	High	<0.5	High quality resin for all Alloys, inc steel. Good in warm sand situations.
PS 8009	F/FA	V High	0.0	Very reactive binder offers very low SO ₂ emissions ideal for demanding Non Ferrous applications
PS 854	PF/FA	Med	<1.0	Good general purpose reactive resin for all alloys
PS 857	PF/FA	High	<0.8	High performance resin for all alloys, good reactivity
PS 859	PF/FA	High	<0.6	Excellent high performance resin for all alloys

Packages

Available in: 200 Litre steel drums (Approx weight 230 Kgs)
1000 Litre returnable IBC'S (Approx weight 1200 Kgs)
7-20,000 Litre Bulk road tankers

Health & Safety

For Further information refer to relevant Health & Safety Data Sheets



PERMACOL – For a cleaner environment