POLISET

POLYURETHANE COLD SET BINDERS FOR FERROUS AND NON-FERROUS FOUNDRIES

- Low odour and emissions
- Fast strip times
- Precise dimensional accuracy
- High sand reclamation
- Excellent mould and core breakdown
POLISET
Polyurethane cold set binders

POLISET cold setting urethane binders deliver higher productivity combined with precise dimensional accuracy. They are suitable for moulds and cores in both ferrous and non-ferrous applications.

POLISET binders
Traditionally, urethane resins were based on aromatic solvents, which gave high fume levels on mixing and acrid smoke release during the casting process. Recent developments have seen the introduction of very low odour systems which have opened new markets for this process. Excellent sand flowability, high strengths and a rapid through curing mechanism are features of all the urethane POLISET binders.

Benefits
- Reduced odour and emissions
- High strength development
- Excellent mould and core breakdown
- High productivity levels
- Low addition rates
- Excellent surface finish
- Increased sand reclamation
- Improved dimensional accuracy

POLISET AL
Especially developed for aluminium foundries, POLISET AL is a two component binder based on a range of very low odour products designed to give very high cold strengths, rapid strength development and exceptional mould and core breakdown. Using non-aromatic solvents and phenol and formaldehyde-reduced binders they give almost no odour on mixing and very low odour and smoke levels during and after casting. High sand reclamation rates up to 70% can be achieved and even higher rates are possible with thermal processes. Typical applications are for the production of high integrity automotive castings.

POLISET E
A range of cold set binders designed to give high strengths, high productivity and minimal odour levels on mixing and low smoke evolution on casting. A three component phenolic binder process giving a range of set times between 2 and 30 minutes. Excellent hot strength properties are achieved resulting in low erosion defects and excellent dimensional accuracy. High sand reclamation rates up to 90% can be achieved with dry attrition and even higher rates are possible with thermal techniques. Suitable for non-ferrous, iron and steel foundry applications.

*FOSECO and the Logo are trade marks of the Vesuvius Group, registered in certain countries, used under licence. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system of any nature or transmitted in any form or by any means, including photocopying and recording, without the written permission of the copyright holder or as expressly permitted by law. Applications for permission shall be made to the publisher at the address mentioned.

Warning: The doing of an unauthorised act in relation to a copyright work may result in both a civil claim for damages and criminal prosecution. All statements, information and data contained herein are published as a guide and although believed to be accurate and reliable (having regard to the manufacturer’s practical experience) neither the manufacturer/licensor, seller nor publisher represents nor warrants, expressly or impliedly, (1) their accuracy/reliability, (2) that the use of the product(s) will not infringe third party rights, (3) that no further safety measures are required to meet local legislation. The seller is not authorised to make representations nor contract on behalf of the manufacturer/licensor. All sales by the manufacturer/seller are based on their respective conditions of sale available on request.

© Foseco International Limited 05/11.