ANTI-VEINING ADDITIVES

- Low addition level
- Free of VOC’s and noxious compounds
- Reduced gas evolution
- No contamination of mixers or core boxes
- High efficiency
Expansion defects such as veining are mainly associated with silicia sands. They result from the penetration of liquid iron into cracks formed during differential expansion of the core during heating. This differential expansion is linked to the α-β phase transition of quartz.

Various sand additives can reduce veining. These are in general, substances that promote plasticity at elevated temperatures either through melting or through reaction with the binder or sand grains.

All NORACEL additives are specifically designed for optimum performance when used in combination with POLITEC* polyurethane cold-box binders.

**NORACEL M**
These additives are blends of different minerals. They are completely free of organic compounds and are especially suited for castings that are prone to gassing defects.

**NORACEL MO**
Additives of the MO-type are used for various applications where excellent anti-veining performance and low additive addition rates are required.

**NORACEL W**
These additives release a small amount of CO₂ during coremaking and create a honeycomb structure within the cured binder. This enhances the plasticity during casting, helping to prevent veining defects. Application rates are very low, corebox contamination is avoided and no increase in binder additions is necessary. The product is inert and poses no threat to health, safety or the environment.

*FOSECO, the Logo, NORACEL and POLITEC 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 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 statement, 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 05/15.