

Ecoink-Cid[®], the sustainable full-digital solution

Ecoink-Cid[®]可持续全数码解决方案

In more than 50 years of business, the Torrecid group has been closely involved in a number of revolutionary technologies in the ceramic industry. These include single firing in its early years, followed more recently by the digital revolution and the growing adoption of the so-called Full-Digital ceramic production process. In this latter field the Spanish multinational has taken another important step forward in the last few months with the development of the Ecoink-Cid[®] range, the new water-based digital inks and glazes unveiled at Cersaie 2017.

The first water-based Full-Digital solution to establish itself in the market, Ecoink-Cid[®] is already being adopted by several ceramic companies to perform completely digital glazing and decorating of ceramic surfaces.

Ecoink-Cid[®] consists of a highly comprehensive range of water-based solutions capable of achieving the best possible finished product.

These include glazes with different gloss levels, matt glazes with all kinds of finishes, inks extending over a full spectrum of colours, ceramic and metal effect inks and inks for vitrified surfaces, as well as glue solutions for grit application.

The innovative nature of these products is not only evident in terms of the quality of the ceramic surfaces but also makes an important contribution to the environmental sustainability of the production process. For example, the Ecoink-Cid[®] solution facilitates waste management, which is simpler and more eco-friendly given that cleaning is performed with water. It reduces atmospheric emissions and improves the working environment, offering ceramic tile producers the very best solutions that comply with the latest legislation on emissions and environmental protocols.

The new water-based inks and glazes produced by Torrecid offer clear advantages for the production process. In particular, the shorter drying time means that it is possible to reduce the distance between the various applications on

在50多年的经营中，陶丽西（Torrecid）集团与陶瓷行业的多项革命性技术息息相关。这些技术包括早期的一次烧技术，随后是近几年的数字革命以及使用率越来越高的所谓“全数码”陶瓷生产工艺。随着Ecoink-Cid[®]产品系列的发展，这家西班牙跨国公司在过去的几个月中在数字化领域又迈出了重要一步，即在2017年的博洛尼亚陶瓷卫浴展（Cersaie）上推出了新型水性数码墨水和釉料。

作为市场上第一款水性全数码解决方案，Ecoink-Cid[®]已经被一些陶瓷公司所采用，用作瓷砖表面的数码喷釉和装饰。

Ecoink-Cid[®]由一系列性能全面的水性釉料和墨水组成，能够使产品达成最佳的装饰效果。这些产品包括不同光泽度的釉料、各种效果的哑光釉料、各种颜色的墨水、陶瓷和金属功能性墨水、用于玻化质表面的墨水，以及用于干粒应用的胶水。

这些产品的创新性不仅体现在陶瓷装饰表面的质量上，而且对生产环境的可持续性也做出了重要贡献。例如，Ecoink-Cid[®]解决方案促进了污染物排放控制技术的提升，由于只需要用水进行清洁，因而使该环节更简单、更环保。它减少了大气排放，改善了工作环境，为瓷砖生产商提供了符合排放和环境协议最新法规的最佳解决方案。



由陶丽西生产的新型水性墨水和釉料为生产工艺带来了明显的优势。尤其是，干燥所需时间更短了，就意味着可以缩短生产线上各种应用工艺之间的距离。Ecoink-Cid[®]产品也完全兼容所有其他陶瓷应用工艺。

其改善生产工艺的另一个特点是在烧制过程中易于根除。由于该产品蒸发点低，水溶液在进入窑炉后就

the production line. Ecoink-Cid® products are also fully compatible with all other ceramic applications. Another characteristic that will improve the production process is ease of elimination during firing. Due to its low evaporation point, the aqueous base disappears shortly after entering the kiln, thereby facilitating the degassing process.

A further aesthetic advantage concerns the superior integration of the coloured inks into the glaze. This is already leading to products with very natural finishes, better visual quality and greater definition and realism in terms of colours and effects.

With the development of Ecoink-Cid®, Torrecid has once again confirmed its leadership in terms of innovation and as a driver of future trends in ceramics, opening up a new chapter for the industry in the field of sustainability. X

能迅速消失，从而促进脱气过程。另一种美学上的优势就是彩色墨水与釉料的完美结合。这使产品达到非常自然的表面效果、更好的视觉效果，在色彩和效果方面更加清晰和逼真。

随着Ecoink-Cid®的发展，陶丽西再次证明了其在创新方面的领导地位，此外，作为陶瓷工艺未来潮流趋势的先驱者，陶丽西也为陶瓷行业的可持续发展领域开创了新篇章。 X



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