

Project case study

Rojac Yard

Product

FibreCrete

Client

Rojac (UK) Ltd

Overview

To support the expansion of their haulage yard in Cheshire, Rojac (UK) Ltd required a robust concrete solution capable of withstanding heavy vehicle traffic and mechanical scraping. Heidelberg Materials delivered a fibre-reinforced mix using Novomesh 950 and SikaPlast®-10RM, eliminating the need for steel mesh and providing a durable, abrasion-resistant surface ready for future site developments.



Project description

Fibre-reinforced concrete

When extending their new haulage yard in Cheshire, Rojac (UK) Ltd, the specialist hire and material handling company, were in need of a hard-wearing concrete, able to withstand the regular movements of their heavy load vehicles. With an eye on future development of the yard to include Rojac's steel recycling business, the concrete surface also needed to withstand mechanical scraping and be able to accommodate heavy point loads.



A concrete mix incorporating SikaPlast®-10RM admixture and Novomesh 950 synthetic fibres, which when added to the mix eliminated the need for steel reinforcing mesh, was produced by Heidelberg Materials to meet these requirements.

This cost effective solution produced a tough, durable concrete slab with increased crack, impact and abrasion resistance, fully able to withstand the rigours of a working haulage yard and any future developments that are being considered for the site. Joints between the slabs were sealed using Sikaflex® Construction polyurethane sealant.