
Fra: Len Miller

Sendt: tirsdag 19. april 2022 kl. 10:15

Til: Alexander Kristensen

Kopi: Geir Hille; Kjell Nordli; Mats Olsen Brastad; Thomas Hille; Per Cato Standal

Emne: Re: Konfektfabrikken - rapport fiberarmering med vedlegg

Morning Alexander,

I am using google translate here to answer your questions.

In connection with the execution of the casting work, we want you to provide input to our people. What I am thinking of then is how do we ensure that the fibers are evenly distributed in the concrete, how is the mold filled, speed, etc. The walls must be delivered with a sloping top, and in this connection it is desirable to use SKB.

Puts our Operations Manager on concrete also on copy here, Kjell Nordl

The batch plant will manage dosing of the MiniBars and I know they already have experience. It is at this stage the distribution takes place.

I attach mixing instructions which for your needs has 2 key points.

1. Add in 5kg over 1 min on to the wet concrete in the truck with a clean chute and truck rotating at high speed
2. Use an air wand with compressed air to ensure the MB are dispersed over the wet concrete and do not accumulate on top of the steel in the truck.

When driving to the pouring site the mixing speed can be lowered per normal practice.

The minibars have the same density as the concrete and disperse very well in 6 minutes. Kjell Norl will be able to see and assess the distribution. Steel fibers and plastic fibers have very different density compared to the MiniBars and thus have a history of distribution problems that we typically don't see.

As for filling the mold or form work, our customers experience from similar applications with sloping tops is as follows.

SKB works fine.

1. The tube for placing the concrete from the pump truck should be close to the surface of the concrete. IE raising it as the mold fills and not dropping the concrete.
2. Veidekke had many openings in the top to be able to move the tube around and reduce lateral flow.

Demonstration video of how to successfully dose ReforceTech Minibars

<https://youtu.be/n10fsn7pq7M>

if you have more questions let me know.

KR

Len