



Paper Title

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Abstract

Maximum 10 pages for full length manuscript, 2 pages for extended abstract...

Keywords

Abstract and keywords on the first page. Start second page with introduction. In general, if not strictly necessary, paragraphs 3, 4 and 5 are not requested in extended abstracts

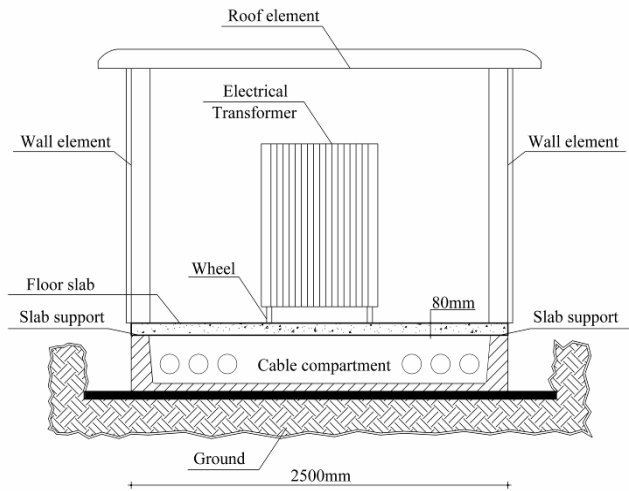
1 Introduction

The industrial process aims to minimize production....

The present study focuses on precast slabs used as floor for electrical equipment shelters made with Self Compacting Concrete (Figure 1). As shown in Figure 1b....



(a)



(b)

Figure 1: Typical precast electrical equipment shelter: front view (a); section view (b)

In order to better understand the structural behavior...

2 Experimental program

2.1 Specimen geometry and material properties

The five SFRSCC precast slabs tested in the present research were rectangular with dimensions of 4200 (length) × 2500 (width) × 80 (thickness) mm³. As shown in Table 1, the specimens were reinforced with the same amount of steel fibers ($V_f=0.32\%$).

Table 1: Specimen designation and main properties

Specimen Designation	Specimen size [m]	Fiber type	Concrete designation	Fiber content [kg/m ³]	Fiber volume fraction [%]
SD1-25	4.2·2.5·0.08	Fiber D	FRCD25	25	0.32
SD2-25					
SG1-25		Fiber G	FRCG25		
SG2-25					
SG3-25					

$$E_{cm}=22 \cdot (f_{cm}/10)^{0.3} \quad (1)$$

$$f_{ctm}=0.3 \cdot f_{ck}^{(2/3)} \quad (2)$$

3 Concluding remarks

The experimental and numerical findings presented in the present paper allows to draw the main concluding remarks listed in the following.

1. From test results it turns out that the slabs reinforced only with a low amount of fibers exhibited ...

4 Acknowledgements

The Authors would like to give their appreciation to...

5 References

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