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## Patent Search

Invention Title	EVALUATING THE MECHANICAL PROPERTIES OF POROUS PAVEMENTS WITH ALCCOFINES AND ALKALI-ACTIVATED GGBS		
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## Abstract:

The construction industry faces significant challenges in balancing performance, sustainability, and environmental impact in pavement systems. Traditional porous pawhile effective in enhancing drainage and reducing urban heat islands, often struggle with issues r elated to durability and environmental footprint. Recent advances alternative materials such as alccofines and alkali activated ground granulated blast furnace slag (GGBS) offer promising solutions but have not been extensively stud context of porous pavements. This study aims to address these challenges by integrating alccofines and alkali activated GGBS into porous pavement systems, assessi combined effects on performance and sustainability. A series of experimental investigations wer e conducted to evaluate the impact of incorporating various proport alccofines and alkali activated GGBS in porous pavement mixtures. Key performance metrics such as permeability, compressive strength, durability, and environment were syste matically analysed.

## Complete Specification

Description:The following	
Materials were used	
1. Cement:	
Ordinary Portland cement (	
2.	
GGBS (Ground G ranulated Blast Furnace Slag): GGBS is used as a pa replacement for cement. The r eplacement level can vary from 10 50 weight.	
3	
Alccofines: Alccofines is used as a partial replacement for cement. Th	ne
replacement level can vary from 10 50% by weight.	
4. Aggregates:	
Standard course of size 5mm and fine aggregates used in concrete mixes.	
5	
	View Application Status



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