

SIGNIFICANCE OF RUBBER MIX CONCRETE

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MOHD IBRAHIM MOHDYUSAK

- ✖ Porous concrete pavements have become popular as an effective stormwater management device to control stormwater runoff in pavement. Porous concrete pavement is being used as one of the solutions to decrease the stormwater runoff by capturing and allowing rainwater to drain into the land surface. The main problem of porous concrete pavement is its strength

TOMAS U. GANIRON

- ✘ This experimental study presents the effects of human hair additives in compressive strength of asphalt cement mixture as potential binder in road pavement. Human hair is strong in tension and can be used as a fibre reinforcement material.
- ✘ This study proves that adding cement and human hair to asphalt mixture greatly increase the strength of the mixture thus making it a good material for the construction of road pavement. Adding of both cement and human hair to asphalt mixture improves the load bearing capacity of the mixture and exhibits superior resistance to both deformation and fatigue.

DINESH KUMAR

- ✖ This paper emphasizes the effect of molasses the byproduct from sugar industries. By using molasses as an admixture in concrete it will enhance the initial and final setting time of the concrete, the workability and compressive strength of concrete is also increased when molasses is used as admixture in composition of concrete. The binding properties of molasses will reduce the water content in concrete mix to enhance the properties of concrete.

ASH RUBBER

- ✖ The rubber consists of particles smaller than 1 mm. It was not prepared from crumb rubber by grinding, but was the powder formed unintentionally during the trituration process, fallen from the machinery of the plant handling the waste rubber. It could be used as a filler in concrete due to its size.



c) Consistency

- ✘ Consistency refers to the relative mobility of a freshly mixed cement paste or mortar or its ability to flow
- ✘ “Normal or Standard Consistency” value of a cement sample is used for preparing the pastes for the determination of the setting time, unsoundness, compressive and tensile strength, initial and final setting time.