



PAPERCRETE BRICK

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ABSTRACT – Currently, greenhouses and eco-friendly materials are trending topics all over the world. Also, the methodology of 4Rs (reuse, recycle, reduce & recover) are the important goals of people. ‘PAPER’ which is mostly used in every profession and is thrown as a waste material at the end of the day. So here use introducing the topic, in which the basic and main compound of the building ‘BRICK’ and waste paper which use are reused converting into the "papercrete brick"Students have utilised this subject before, but we made some alterations and did our best to produce this work while keeping in mind every research paper element.

Keywords:- Eco-friendly, lightweight, decreasing pollution, reusing waste paper.



I. INTRODUCTION

"Papercrete brick" and "Clay burnt brick" are two terms for bricks composed of clay, sand, lime, and fuel, respectively. Additionally, this brick is one of the more commonly utilised bricks.

Indian Argo & Recycled Paper Mills Association (IARPMA) claims that despite the country's yearly use of approximately 13 million tonnes of paper, only 25.28 percent of waste paper is recycled, reused, or recovered. It has a variety of effects on the environment. For example Air pollution Water pollution Soil pollution Waste problem Ink used on paper affects Human Beings The Centre for public policy research of 1st July 2022, shows that India ranks 180th with a score of 18.9 for the production of waste all over the world. According to the International Journal of Financial Services

Management... India produces around 250 Billion bricks every year named clay burnt brick. It consists of clay, lime, sand, and fuel. The terms clay and fuel are the keywords and keyword elements which is affecting the environment and would be the better way to cover all the loopholes. By reading the research paper, we know that paper sludge is lightweight, less costly, and more durable, but brick's strength is decrease. So we added coconut fiber & fly ash to increase the strength.

Now, we will proceed to the next step, and while reading the further detail the changes and what to do to papercrete bricks to make it.? Will be answered.

As the fuel is used for burning the brick and clay soil, the soil which is good at retaining water rich in organic matter the characteristics which is an important for plant growth because of using clay soil degradation.



II. RESULTS AND CONCLUSION

According to (IS:3495-1 1992 Exp. Handbook), The specified sample meets the minimum compressive strength of brick in the tests performed.

- Reuse the waste paper

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