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Dear Sir,

We are pleased to introduce Pozzoplast 40 as an additive for wall plaster and other concrete based structures. The construction industry is generally facing issues with permeability and efflorescence in wall plaster due to moisture. There are several waterproofing treatments to rectify these problems but the cost of such remedies are not cheap. Our company has been marketing Pozzoplast 40 since last many years on projects to control heat of hydration issues and to modify concrete mix for better resistance and strength. PATSA, a specialty product provider is offering an economic solution to problems relating to damp resistance and efflorescence in wall plaster.

Pozzoplast 40 is a special class F grade Fly Ash which is designed to be used in Wall plaster mix to modify the concrete Mortar. Some of the benefits of Pozzoplast 40 based wall plaster are following:

1. **Strength:** Fly ash increases the final strength of the concrete plaster.
2. **Durability:** The resulting concrete mix is less porous, owing to the fine size of fly-ash particles, thus making it more resistant to corrosion.
3. **Workability:** Adding fly-ash has proved to increase workability (flowing nature) of concrete, which makes it easy to work with.
4. **Efflorescence:** Lime (CaOH) forms over time in concrete and weakens it. Fly-ash has reactive silica, which reacts with lime and forms C-S-H gel which is a main contributor to concrete strength.

The use of Pozzoplast40 in wall plaster can be very beneficial in all regions of Pakistan. In Karachi, the exterior plaster near sea front areas can be made more resistant to withstand the salt laden moist air and at the same time Pozzoplast40 modified wall plaster would prevent moisture penetration. In the internal areas, it can prevent rising damp issues.

In interior Sindh region and in Punjab region where Red Bricks are commonly used, there is a high risk of water permeability and efflorescence. Both these issues can be better controlled with Pozzoplast40 modified wall plaster.

Pozzoplast40 is available in 25 kgs bag at an introductory price of Rs. 19.50 + 17% GST per kg. The suggested mix design for wall plaster is as follows:

One bag of Cement (50 Kgs) - 1 Part

Pozzoplast (25 kgs) - ½ part of cement

Sand (250 kgs or 300 kgs) - 5 parts Exterior areas and 6 parts Interior areas

Thank you for your attention.

Regards

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