

Gypsum plasters help in ramping up healthcare infrastructure during COVID

Gypsum plastering helps the healthcare sector in accelerating the construction of makeshift hospitals and in hospital expansion activities to meet the huge infrastructure demand that has popped up due to the rampaging spread of COVID-19.



KANISH PLASTERS
GYPSUM AT BEST



Tamil Nadu, Coimbatore, May 14, 2021 ([Issuewire.com](https://www.issuewire.com)) - The unanticipated emergence and rapid spread of COVID-19 have infected over 150 million people and has lost over 3 million people. It disrupted the lives and livelihoods of people on earth in unprecedented ways. It has created huge stress and exerted unmanageable pressure on the healthcare infrastructure in countries across the globe. The infectious disease has stretched a lot of hospitals and healthcare professionals beyond their capacity and capability. On one hand, Governments and a lot of hospitals have undertaken to build makeshift hospitals to expand their treatment and help those who need medical support. While on the other, they are engaged in creating temporary containment wards to isolate the infected and to curb the spread of the virus.

Such hospitals have to be created in a very short span of say within 15 days or so, and what is even more important is maintaining a healthy interior and a hygienic atmosphere for the people admitted. As

the temporary hospitals are created in a very short time, it's important to ensure that such hospitals are resistant to fire and heat. Moreover, it's important to insulate the infected from the noise and sound rising from outside and within the hospital environment.

Thus building such temporary hospitals require due diligence in choosing proper building materials that can aid in quickly ramping up the most needed infrastructure as well as in maintaining a healthy environment. At this juncture, gypsum comes as a boon as it can meet all of the above-stated requirement criteria and much more.

Gypsum plastering saves time and cost

Gypsum boards and gypsum plasters help in accelerating the construction of makeshift hospitals. [Gypsum plastering](#) the wall avails a huge time saving of around 75% when compared with other options available in the market, most likely the cement plasters. Gypsum plasters gain their inherent properties and strength in less than 48 hours of the application, unlike cement plasters that take at least 15 days.

Because makeshift hospitals are only a temporary need, a lot of hospitals are reluctant to invest a huge amount. [Gypsum plastering comes to their rescue as they save the total cost by 20% when compared with cement plastering. There is a saving of Rs. 35 for every sq. ft.](#)

Gypsum plastering maintains a healthy interior

Gypsum plasters check the growth of microorganisms like fungi and bacteria on the wall. Gypsum plastering also repels insects. Thus they act as natural disinfectants unlike other plasters like cement that have the moisture supporting bacterial growth. Gypsum boards and [gypsum plastering](#) the wall helps in maintaining optimal air quality, moisture content, and humidity. Given the above, gypsum plasters are the best of materials available in the market to create makeshift hospitals for COVID, because most covid-infected patients have their respiratory tract affected.

Gypsum plasters are resistant to wear and tear fire, heat, and corrosion.

COVID hospital enclosures involve continuous movement of people, devices, and equipment. And because such temporary hospitals are created in a short time frame, cement plasters may not have sufficient time to dry up and settle down. Cement-plastered walls may result in wear and tear when there is a high traffic volume all the time. But gypsum plastering the wall enhances its resistance to such wear and tear that may result from the movement of people and equipment.

The chemical composition of gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) containing 79% Calcium Sulphate and 21% crystallization water offers fire resistance and corrosion resistance to the walls. The hydrous calcium sulfate slows down the fire progression as the crystal evaporates forming a protective layer. Gypsum plastered buildings can stay fire-resistant for up to 2 hours.

Gypsum plasters also prevent corrosion that pops up every now and then when the wall is cement plastered.

Gypsum plastering require less maintenance

Because cracks and tears do not incur often [unlike cement plasters maintenance is naturally easy with gypsum plasters](#). On the other hand, cleaning the gypsum plastered wall is relatively easy and requires only a wet cloth.

As the promoters of [Kanish Plasters](#) Shekar Palanisamy and Sivakumar Arumugam says, “The inherent properties of gypsum plasters have made them a natural disinfectant as the whole world is battling COVID and it has never been more appropriate to lead the shift towards gypsum plasters”.

Gypsum plastering helps the healthcare sector in accelerating the construction of makeshift hospitals and in-hospital expansion activities to meet the huge infrastructure demand that has popped up due to the rampaging spread of COVID-19.

To know more please visit: <https://kanishplasters.com/>



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