



INSULASTER

INSULATION AND FLAME RETARDANT PREMIX PLASTER



ECOLOGICAL



THERMAL INSULATION



HUMIDITY CONTROL



ACOUSTIC



MINIMAL CRACKING



BREATHABLE



FIRE RESISTANCE



COMFORT ALL YEAR ROUND

Insulaster is ideal for the following places:

COMMERCIAL BUILDINGS



PUBLIC BUILDINGS



RESIDENTIAL BUILDINGS



INDUSTRIAL BUILDINGS



INSTITUTIONAL BUILDINGS



**FIRE ESCAPE ZONES
AND EQUIPMENT ROOMS**



ABOUT *INSULASTER*

Insulaster is the first of its kind to be locally manufactured within Pakistan.

It is a ready made plaster made of inorganic substances providing your house and buildings with thermal, fire and acoustic insulation together. The plaster can be applied on both interior and exterior surfaces of old and new buildings allowing them to breathe.



INSULASTER



ADVANTAGES

-  Long lasting
-  Easy Application
-  Saves energy
-  Protection from Thermal Shocks
-  Natural and Harmless to environment
-  Does not contain carcinogenic material
-  Ready to use
-  A1 Classification; Can bare 1000° C for 3 hours
-  Provides superior sound proofing
-  Does not allow heat transfer thus not affected by hot or cold temperature.
-  Allows the building to breathe naturally
-  Does not have emission of Green House Gases

SURFACE PREPARATION

SURFACE PREPARATION



For very hot climatic conditions, the surface may be dampened with potable water.



All loose particles and oil shall be cleaned off the surface prior to application.

Note: Over RCC and smooth concrete surfaces, a bottom coat of **Ressi BRC 7000** may be used if required.



PRODUCT PREPARATION

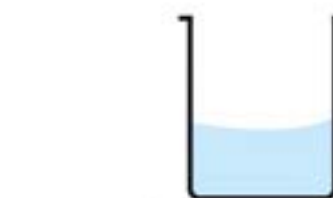
PRODUCT PREPARATION

- ◆ For manual application it is important that water is pre-measured in accordance with the amount of material used. Generally, 800 millilitre -1.2 litre of water is required for the preparation of 1 kg of Insulaster.

- ◆ The Mortar powder should be added over the water to avoid settlement of the material at the bottom of the mixing container.

- ◆ The mixing should be uncontaminated, non corrosive and clean using only potable water.

- ◆ It is recommended to use an automatic drill machine mixer for the mixing of insulaster with water. However, Insulaster can also be sprayed over the surface using a plaster spray machine recommended by Ressichem.



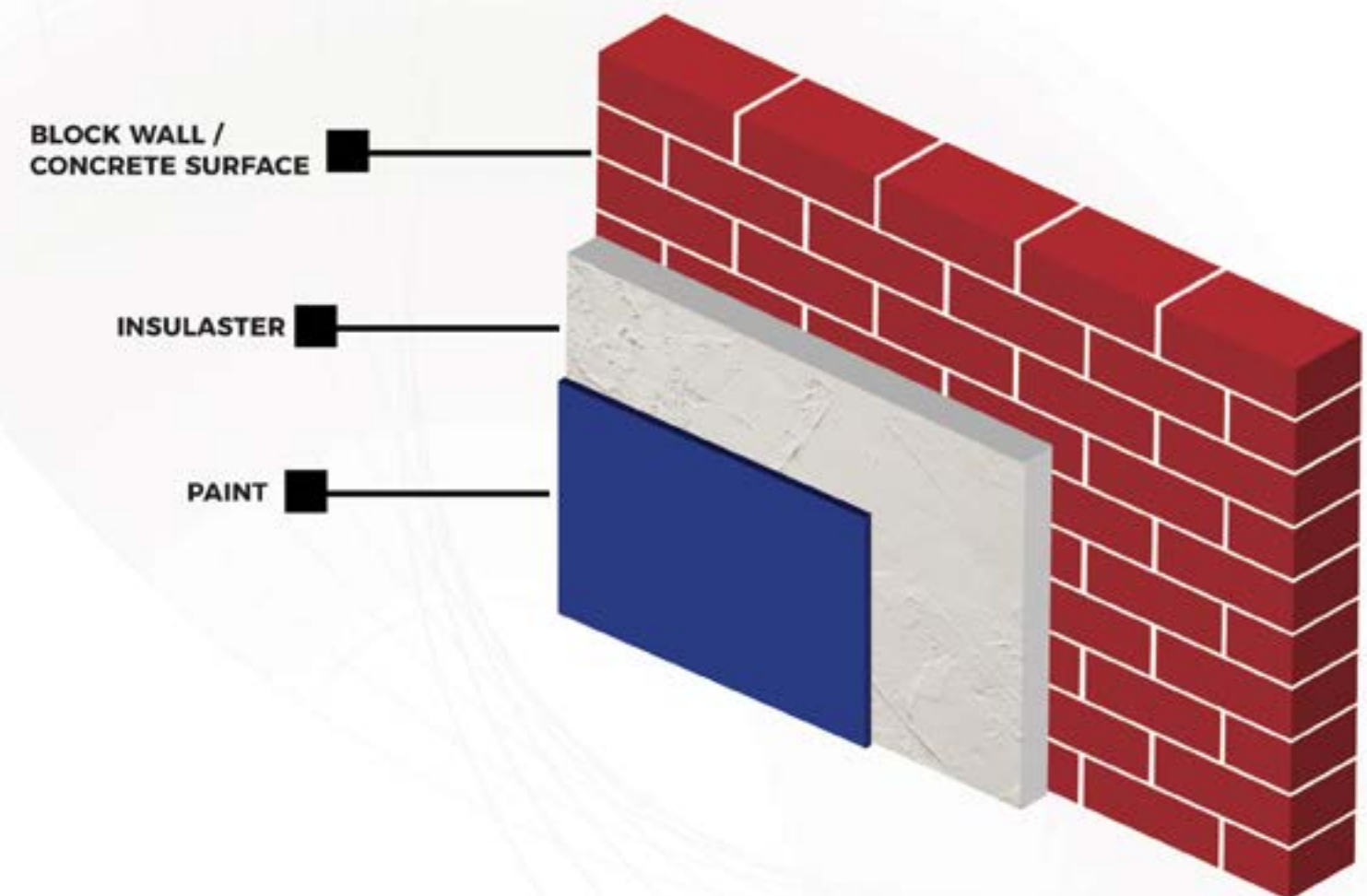
APPLICATION

With proper surface preparation and mixing of the material, conventional plastering techniques can be used to apply Insulaster. However, for speedy application it is strongly recommended to do proper surface preparation and spray the material using a plastering/rendering spray machine for higher output of work.

Insulaster can be applied in multiple layers of 18mm to 4mm. The time between both the layers can be anywhere from 24 hours to 72 hours depending on temperature & humidity.

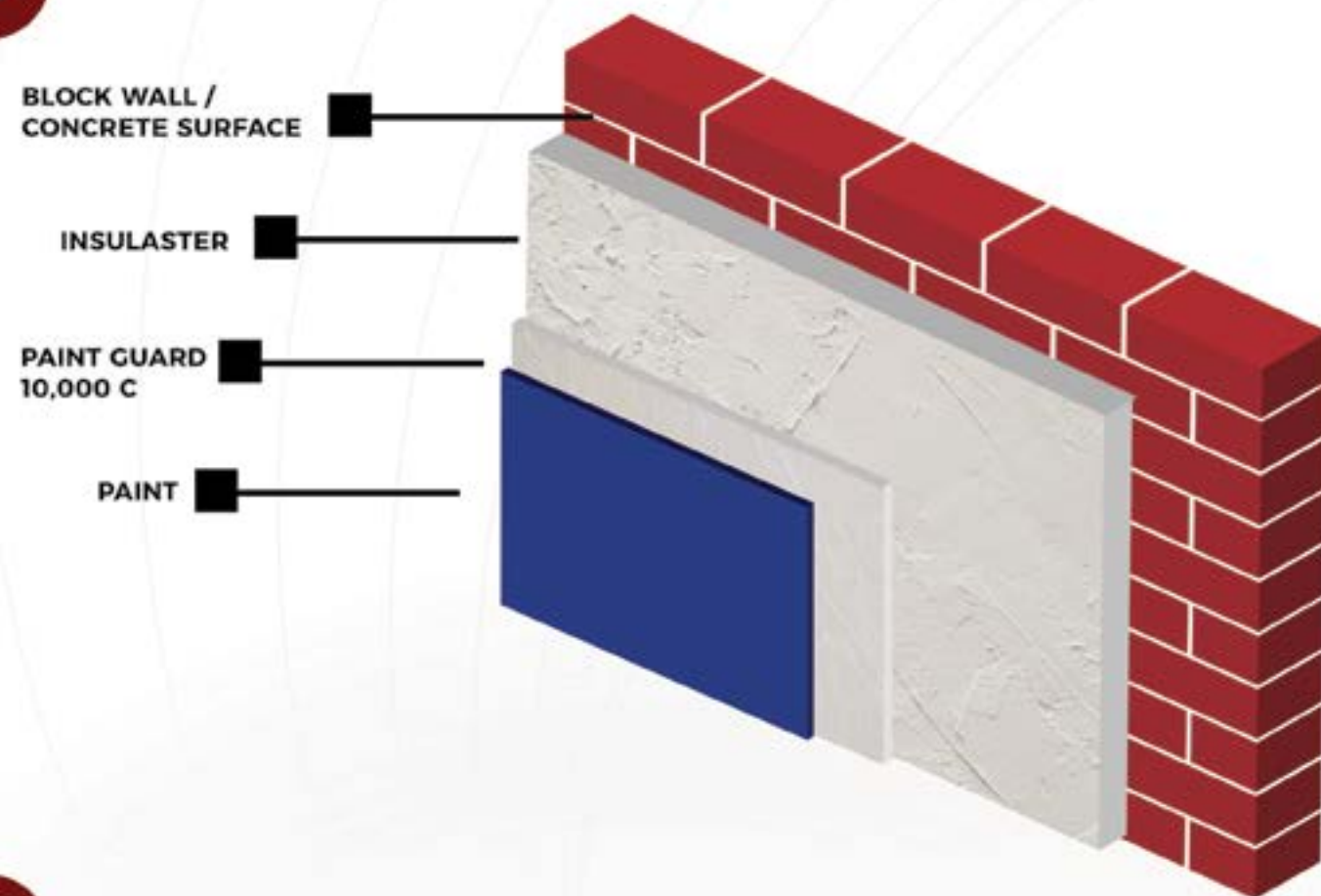
Insulaster can be applied with the following techniques:

1

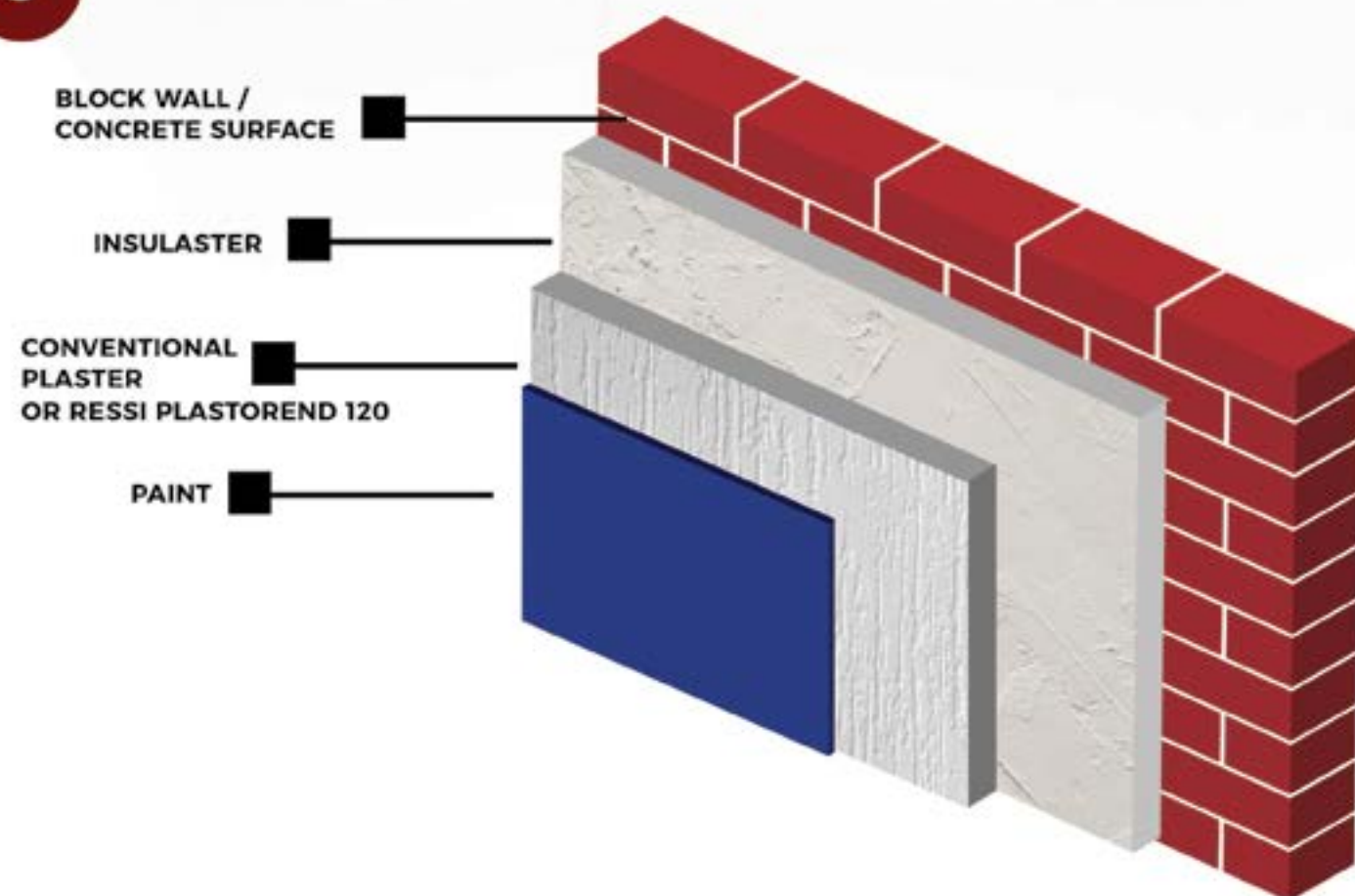


APPLICATION

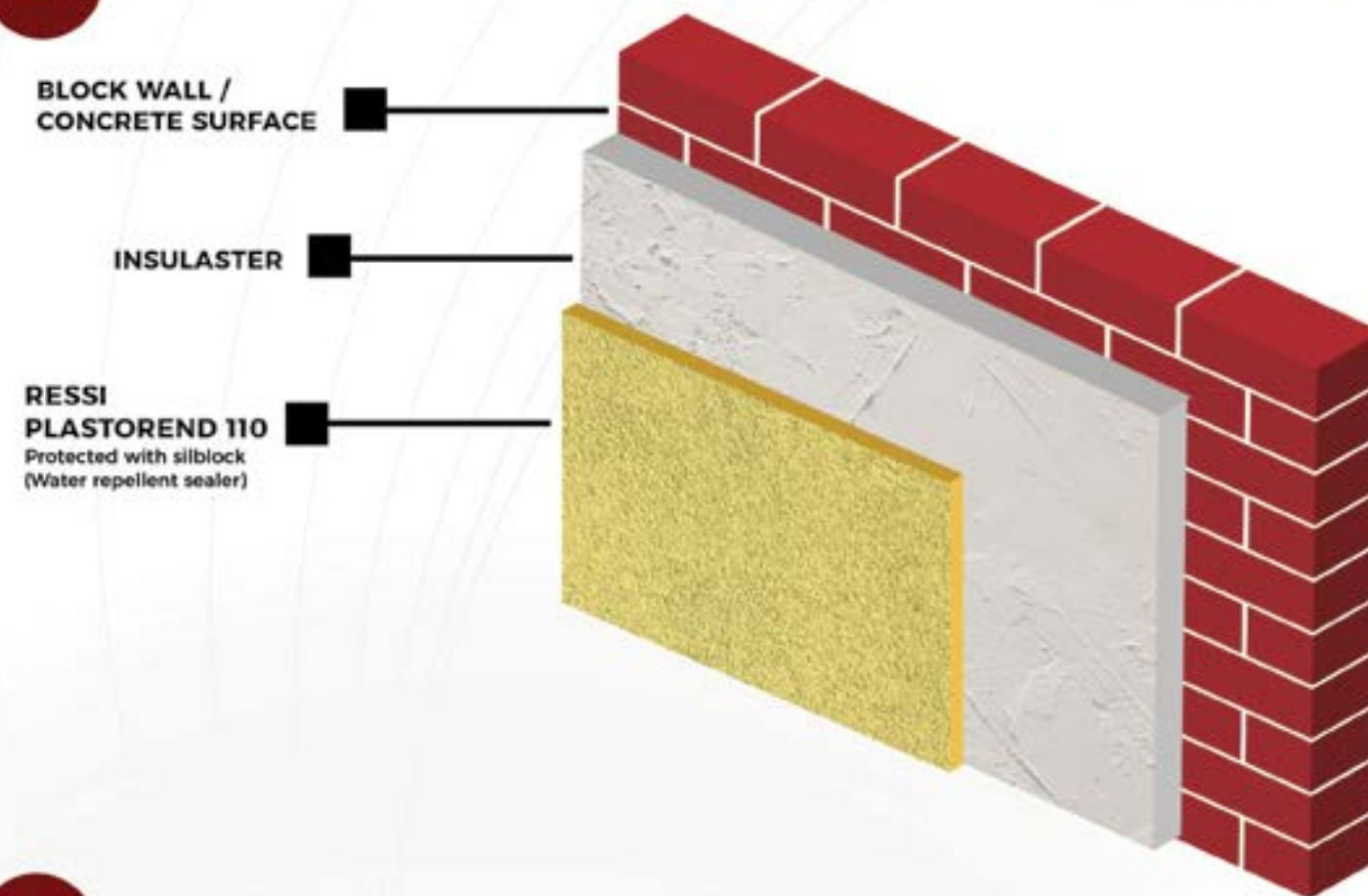
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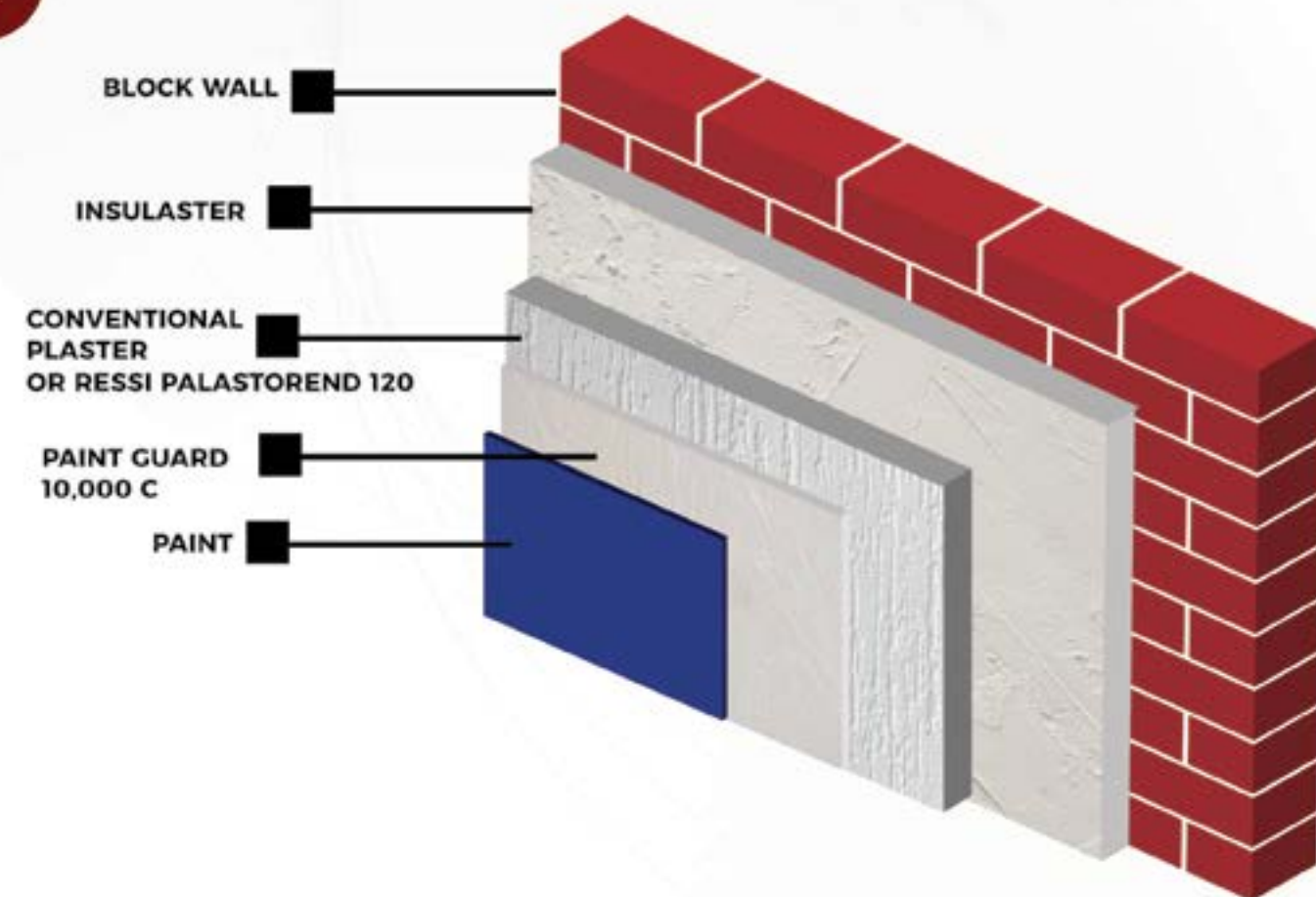
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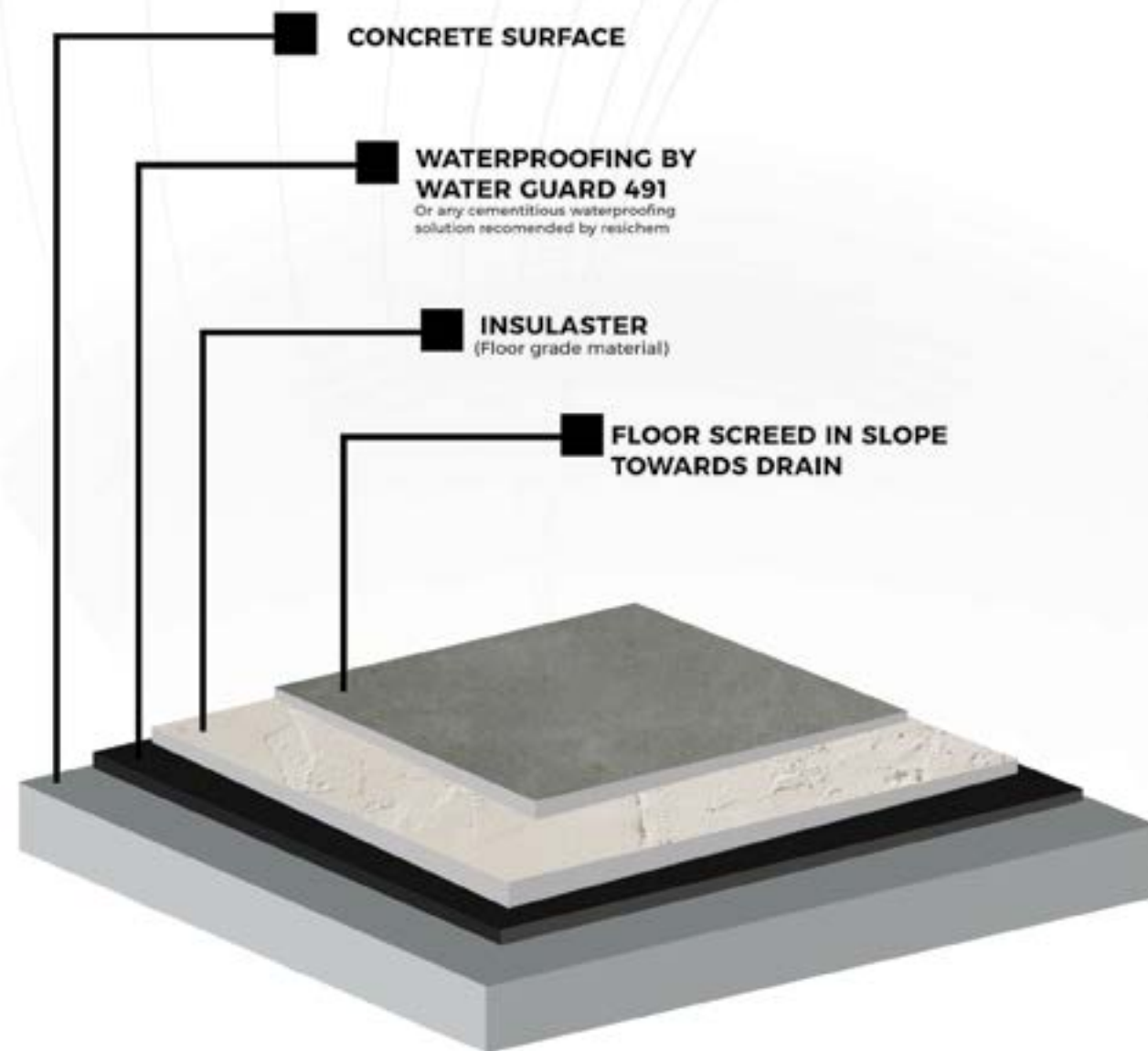


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5





TECHNICAL DATA

Appearance	Grey Powder
Dry Density	500 ± 150 kg/m ³
Thermal Conductivity	0.15 w/mk
Compression Strength	CS II
Bond Strength	0.5 N/mm ²
Water Absorption	W2 0.195Kg/m ² min ^{1/2}
Vapor Diffusion	%U=6.0(After 120 days)
Fire Endurance	A1 Classification (1000°C for 3 hours)
Readiness for Painting	Drying time, 72 hours at appropriate environment
Acoustic	15-22 dB
Retention Period	12 months at appropriate environment
Application Type	Plaster machine or Steel trowel

WHO WE ARE AND WHAT WE DO ?

Ressichem was established in 1999 since its inception over a decade ago, we are proud to cater to the needs of the construction industry offering quality products manufactured at our state of the art plant sourced from the best in Germany and USA. Raw materials for our products are also sourced from quality suppliers worldwide. Ressichem takes pride presenting a variety of construction materials and systems which can cater to many needs of the construction industry.

They include :

-  Dry Mix Mortars / Premix Plasters
-  Building Care and Maintenance
-  Epoxy Floorings
-  Tiling and Grouting Materials
-  Building Insulation
-  Epoxy Adhesives and Coatings
-  Decorative Concrete
-  Specialty Products

Backed by a fully equipped laboratory at our own premises with a team of qualified engineers and chemists. Ressichem carries our regular tests to maintain quality of finished products for various construction applications. Vigorous onsite support and quality systems allow for maintaining the quality of our products, as well as solve construction problems. In our effort to maximize customer satisfaction, our technical personnel directly co-ordinate with customer to offer excellent services, product selections and even troubleshoot construction problems where needed.

Operating on a customer first philosophy, Ressichem has carved its name in the ever demanding needs of the construction industry, by offering world class service in fulfilling customer requirements via quality manufacturing and rigid quality control of products. We believe that the responsiveness and the priority we attach to the customer needs and their satisfaction has played a pivotal role in our phenomenal growth so far.

CURING



No curing required in general however maximum is curing for 72 hours where hot climatic conditions prevail.

SHELF LIFE



Expiration of Insulaster is 6 months after production under dry and sheltered conditions.

HEALTH & SAFETY



Insulaster is regarded as non hazardous for transportation. Do not reuse bags and containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application.

PACKAGING



Insulaster is available in 25 kg bags.

SPECIAL NOTE



Before the application of any product like wall putty, paint, wallpaper, decorative plaster or any other coating the Insulaster must be dried out completely with no moisture content inside of it

RESSICHEM
adding life and value to your property

ریسیکیم
مضبوطی اور پائیداری کے لئے

We are social :



Contact info :

 www.ressichem.com
 021-32593803
 021-32593800-02

Address :

 Plot no. D-83, S.I.T.E,
Industrial Area, Manghopir
Road, Karachi