



RESSICHEM[®]
adding life and value to your property

**Dry Mix Mortars /
Premix Plasters**

ریسیکیم[®]
مضبوطی اور پائیداری کے لئے

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Who we are and what we do?

Ressichem was established in 1999, since its inception, we are proud to cater to the needs of the construction and many other industries offering quality products manufactured at our state-of-the-art plant sourced from the best in the world. 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**
- **Epoxy Floorings**
- **Building Care & Maintenance**
- **Epoxy Adhesives & Coatings**
- **Tiling & Grouting Materials**
- **Concrete & Mortar Admixtures**
- **Building Insulation**
- **Decorative Concrete**
- **Specialty Products**

Backed by a fully equipped laboratory at our own premises with a team of qualified engineers and chemists. Ressichem carries out regular tests to maintain quality of finished products for various construction & industrial applications. Vigorous onsite support & quality systems allow for maintaining the quality of our products, as well as solve construction and industrial problems. In our effort to maximize customer satisfaction, our technical personnel directly coordinate with customers to offer excellent services,

product selections & even troubleshoot problems where needed.

Operating on a customer first philosophy, Ressichem has carved its name in the ever-demanding needs of its industry, by offering world class services and 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 & their satisfaction has played a pivotal role in our phenomenal growth so far.



Ressichem Dry Mix mortars / Premix Plasters are factory manufactured dry mortars conforming to specific mix proportions of ingredients e.g., Binders, Aggregates, fillers, pigments, chemical additives, etc.

Advantages

- ✓ Easy handling "Just Add water."
- ✓ Less different components "Consistency"
- ✓ Low wastage "Environmentally friendly"
- ✓ Saves man hours "Improves productivity"
- ✓ Quality assurance "Standard quality."
- ✓ Saves space at site "No mess."
- ✓ Automation of plaster works "More Efficiency"
- ✓ Achieve special properties "Salt and weather resistance etc."

Further reasons why Ressichem Dry mix Mortars should be used as follows:

Saves Space

Ressichem Dry Mix Mortars come in a ready to use dry powder form. There is no inclusion of sand or any other additives on site. There is no need to call for many different materials on site & to store, process, mix and then use the material for a particular purpose.

Accurate Cement content & Additives

Ressichem Premix mortars go through a rigorous production and quality control procedure. This ensures that all the products are manufactured in a control manner and all additives are included in the right proportion, hence the product has the right properties for application and long-term durability.

Speedy output of work

There is no mixing of materials on site, mixing time and the labor cost of mixing the material is saved. With further innovations in application techniques along with the use of Ressichem Dry mix Mortars there is less wastage and more output per man hour reducing labor costs.

Quality assurance of product

Ressichem Dry mix Mortars are purpose built. Specific products for specific applications. It is for this reason that the quality and durability of the product is far better than ordinary site mixed mortars & chances of application failures are greatly reduced compared to ordinary site mixes.

What is plastering / rendering?

Plastering and rendering are both the process of covering walls. The main difference in the two practices is that plastering refers to coating the interior walls, whilst rendering is the coating of exterior walls. The major distinction between plastering and rendering is the strength of the materials used in each.



Why cover walls?

- ✓ Aesthetically exposed bricks and blocks are sometimes found to be unappealing.
- ✓ Concrete & block surfaces are usually not even.
- ✓ Finer finishes over the walls require a straight & smooth surface.

Why is plastering / Rendering Important?

- ✓ To save the concrete bricks, blocks & other structural members from external weathering effects & to slow down the process of deterioration.
- ✓ To obtain a smooth surface for subsequent treatments like paint, wallpapers etc.



Plastering the conventional way

Conventional plasters are a mixture of cement, sand, & water. It is rare that some additives are added on site to give the mortar some special properties, there is a lot of time-consuming labor that goes into sieving the aggregates (sometimes ignored), mixing, & applying the material on the walls by hand. There is also an issue of sometimes mixing the mix with water & not using it on time.

Issues with conventional plasters (On site) during execution.



• Disorganized construction site



• Time consuming labor



• Inaccurate mixing



• Community hazards

Quality issues with conventional plasters



• Paint peels off



• Cracks



• Plaster Debonding



• Poor aesthetics

Plastering / Rendering at Ressichem

Factory-Made,
Quality-Controlled,
Homogenous
Dry Blend



Aggregates, Binders, Additives, Fibers & Pigments



Ready to use Dry mix Mortars / Premix Plasters



Product



Mixing with
water



Application



What are decorative Plasters & Renders?

Decorative plasters and Renders are cementitious materials that are far more durable than any other paint, acrylic or stone applied finish over a vertical cementitious block or plaster surface. They not only provide a good aesthetic finish but are also very versatile & durable when it comes to reducing maintenance costs over the life of a building.



Masjid Umme-Saleh (Under Construction)

In Pakistan Decorative plasters are also known as Color Crete or fair face, Color Crete is normally referred to a white cement-based plasters which may be mixed with a yellow or other colored sand or Pigments added.

Fair Faced Plasters are usually used to mimic a highly finished concrete look which might not be possible at the time of erecting the concrete structure.



Masjid Umme-Saleh (After Finishing)

Decorative plasters / Color Crete the conventional way

Sand along with white cement is dumped on site. This aggregate is usually sourced directly from the mine and not processed.



Pile of red soil

There are a lot of impurities including salt & clay which affect the result of the finished product.



Truck dumping yellow sand

Disadvantages of conventional decorative plasters / Color Crete

- Element of whiteness along with inconsistencies
- Exposed unprotected surfaces without any treatment causes the untreated works to soak in moisture.
- Use of distemper or paints over the surface, this diminishes all the advantages of the works and is not durable, usually the distemper and paint layers are exposed after some rains.



Building with reddish-brown plaster



Building with orange and white striped plaster

- Appearance of hairline cracks on surface when not properly treated with a sealer.



- Appearance of moisture after rain & discoloration with water marks.



Few bad examples taken right after the rains.



Decorative plasters at Ressichem

- Highly processed Uncontaminated aggregates at the right grain size for the right application.
- Use of High-quality polymers & UV stable pigments.
- Purpose built products for purpose-built applications & site requirements.
- Customization of colors & textures possible with long lasting durable finish & minimum maintenance.



Some project references of Decorative plaster works executed by Ressichem.



AG Ci Ci Private Limited (Fair Face)



Janoo Residence (Brilliant White)



Faiz - e - Hakimi (DHA)



AOHS Main Gate



DG Cement CCR Building



SAGA One



Rauf Residence



Burma Oil

Different Dry mix mortars / Premix Plaster Products

Product	Description	Packaging
	<p>Ressi PlastoRend 100 is a cementitious premix thin applied pigmented plaster which can be applied at a thickness between 0.5mm to 4mm. Ressi PlastoRend 100 is to be applied over a rough plastered cementitious surface. The product is suitable for internal and external wall surfaces. It can be easily applied with a suitable plastering machine or by hand in accordance with BS EN 13914-1 & BSEN 13914-2. Ressi PlastoRend 100 provides a modern plastering system for fast application on walls and ceilings.</p>	50 KG Bags
	<p>Ressi PlastoRend 110 is a ready to use premixed cement based decorative plaster to be applied on roughly finished plastered surface or a rough finished surface of Ressi PlastoRend 120. The applied thickness of the product is between 4mm to 6mm. The product is ideal for internal and external application. The product can easily be applied with a suitable plastering machine or by hand in accordance with BS EN 13914-1 & BS EN 13914-2. Ressi PlastoRend 110 provides a modern plastering system for fast application on walls and ceilings.</p>	50 KG Bags
	<p>Ressi PlastoRend 120 is a cement based ready to use premix plaster for internal & external use. Ressi PlastoRend 120 is an ideal substrate for wall putty, wall papers, decorative plasters, paints, Stone Cladding etc. Ressi PlastoRend 120 can easily be applied with a suitable plastering machine or by hand in accordance with BS EN 13914-1 & BS EN 13914-2. This material provides a modern plastering system for fast application on walls and ceilings.</p>	50 KG Bags
	<p>Ressi PlastoRend 120 C is a cement based ready to use premix decorative & pigmented plaster for internal and external use. Ressi PlastoRend 120 C is specifically designed to be directly applied over block masonry & RCC concrete surfaces to provide a modern decorative long lasting maintenance free wall finishing system. Ressi PlastoRend 120 C can easily be applied with a suitable plastering machine or by hand in accordance with BS EN 13914-1 & BS EN 13914-2. Ressi PlastoRend 120 C provides a modern plastering system for fast application on walls & ceilings.</p>	50 KG Bags

Product	Description	Packaging
	<p>Ressi SC 310 is a ready to use skim coat plaster for a thin coat application on a rough plastered surface or a rough finished surface of Ressi PlastoRend 120 to provide a fine smooth finish leaving the surface ready to receive paint or wallpaper. Ressi SC 310 is ideal for internal and external application. Ressi SC 310 can easily be applied with a suitable plastering machine or by hand in accordance with BS EN 13914-1 & BS EN 13914-2. Ressi SC 310 can also be used as a decorative plaster and has a smooth velvety finish to the touch and can be used as an ideal smooth finished plaster with varying shade of colors and a cloudy effect colored feel.</p>	<p>50 KG Bags</p>
	<p>Ressi SLS 610 is ready to use premixed self-leveling floor screed which is suitable for both old and new, internal, and external floorings where light to mild traffic is expected. The application thickness of Ressi SLS 610 is between 4mm to 8mm. Ressi SLS 610 is ideal for use to level substrates prior to laying carpets, floor tiles etc. Ressi SLS 610 is also an ideal substrate for the waterproofing of roofs where further coatings can be applied on the surface. Ressi SLS is also ideal for Epoxy Flooring applications where a smooth cementitious floor is required prior to the application of a proper epoxy flooring system.</p>	<p>50 KG Bags</p>
	<p>Ressi BLM 510 is a ready to use premixed highly polymer modified block laying mortar for laying masonry bricks, blocks, curbstones, pavers, etc.</p>	<p>50 KG Bags</p>
	<p>Ressi LimeO might 8000 is a ready to use premixed lime-based repair mortar & plaster to be used for the repairing & plastering works in areas where a Gypsum or a Cement based solution is not required. Ressi LimeO might 8000 is specifically designed keeping in mind old heritage buildings where initial works were done using a lime mortar. Ressi LimeO might 8000 can also easily be applied using a plaster / render spray machine for fast & speedy applications.</p>	<p>50 KG Bags</p>

Product	Description	Packaging
	<p>Ressi GypsO might 9000 is a gypsum-based premix plaster to be used for the internal plastering of walls & ceilings. Ressi GypsO might 9000 is an ideal substrate for paint, wallpaper tiles and many other various finishes. It has a good off-white color finish and can be left bare. Ressi GypsO might 9000 can easily be applied with a suitable plastering machine or by hand in accordance with BS EN 13914-2. Ressi GypsO might 9000 is an internal use product only and should not be used on external walls exposed to UV rays and other harsh environmental elements. Ressi GypsO might 9000 has an extraordinary smooth finish.</p>	50 KG Bags
	<p>Ressi PFS 620 is a premix pourable low slump floor screed which is highly suitable for commercial & residential use. Ressi PFS 620 is suitable for both old & new, internal, and external floorings. The application thickness of Ressi PFS 620 is between 25mm to 75mm. Ressi PFS 620 is an ideal material to be used as a floor screed for exposed roof tops, a bed prior to carpeting and laying tiles etc.</p>	50 KG Bags
	<p>Ressi BRC 7000 is a ready to use premixed bonding rush coat to be applied on smooth concrete walls and ceilings. It acts as a key between the smooth concrete surface allowing a variety of Plasters and Render to be bonded much better with the surface. Ressi BRC 7000 is an ideal Rush coat to be used in conjunction with a variety of plasters & renders of the Ressichem range and traditional sand and cement mortars as well. Ressi BRC 7000 can be applied traditionally by hand using a Tyrolean or brush splatter. Ressi BRC 7000 is an ideal product which avoids the hacking process of the concrete & providing a solid key for the subsequent plaster to be done over the surface.</p>	50 KG Bags

The most advanced Dry mix technology in Pakistan, a wide variety of products are available and customized products can also be developed subject to sizable quantities.

Some technical comparisons (Ressi PlastoRend 120) Vs Site Mix (1:5)

Property	On site plaster	Ressi PlastoRend	Test Methods
Sand and sieve grading	Unknown or inconsistent	Max aggregate size 3.36mm	BS EN 1015-1 & BS EN 933-1
Water Retention	Unknown or inconsistent	98%	BS 4551
Yield	Unknown or inconsistent	0.7m ³ / T	BS EN 1015-6
Weight Distribution	5 KG/ SFT @ 24mm Thickness	3.5 KG / SFT 24mm Thickness	BS EN 1015-10
Wet Mix life	Unknown or inconsistent	2 HOUR @ 20° C	BS EN 1015-9
Compressive Strength	Unknown or inconsistent	4 N / mm ²	BS EN 1015-11
Flexural Strength	Unknown or inconsistent	1 N / mm ²	BS EN 1015-11
Air Content	Unknown or inconsistent	14%	BS EN 1015-7
Bond Strength to substrate	Unknown or inconsistent	0.75 N / mm ²	BS EN 1015-12



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