

Chenguang Natural Rock Coating

Construction Process

1. Base Course Treatment
2. Putty Scraping
3. Primer Painting & Outline the Gap and Grid
4. Natural Rock Coating Spraying
5. Water Soluble Clear Finish Construction

Preparation of construction tools: -

Air compressor, Hose, Spray Gun, Masking Tape, Roller, Shovel, Trowel, Sand Rack, Sandpaper

1. Base Course Treatment

1.1 The treatment of base course is a very important step. Before the construction, the base course shall be dry, flat, clear and free of oil, dust or other contaminants.

1.2 Doing experiment to test the adhesion of original wall or other coating course. If the adhesion is poor, the original course must be removed.

The Acceptance Criteria of Base Course

1. The surface flatness generally requires the dislocation below 3mm. If it exceeds this range, it shall be polished to make it smooth.
2. The surface must be smooth, clean, uniform color, no crack, no obvious welding, no dust, oil stains and no exposed steel, wire, wood debris; The red corner and gray line shall be straight, look clear and beautiful.
3. The base course shall have no delamination, no empty drum, no crack, no obvious air bubble and other defects, and the wind crack shall not be greater than 0.2mm.
4. The angle bead conforms to the construction specification. The width and depth of separation seam are even, flat and smooth; the corner angle is neat.
5. The base course is alkaline and its PH is less than 10.
6. The moisture content of the base course shall be less than 8%. The newly painted mortar surface will take about 3 weeks to construct.
7. Surface dirt treatment. The dust and oil of surface shall be removed by wire brush with detergent, or polished clean by coarse cloth. After cleaning, the wall can be constructed.

2. Putty Scraping

Temperature: above 5 degrees Celsius

Humidity: 85% or less

Dry time: 6H

Coverage: 1.5-3KG/m²

2.1 After the basic course treatment, start to scrape the putty of external wall.

2.2 The putty is usually scraped twice with a thin layer, using a scraper or a steel pan from the top to the down; After the first layer of putty is dry, start to scrap the second layer of putty.

Note: Each layer of putty shouldn't be scraped too thick, which is prone to cracking and falling off. Generally, each layer of external wall putty is about 0.5~1.0mm.

After the putty is dry completely, polishing the putty with sandpaper to clean the dusty.

Notice on Putty Scraping

1. When scraping putty, do not go back and forth too much times, so as not to appear the putty rolling and falling off, or extrude the glue in the putty to cause the surface not easy to dry.
2. When scraping putty, pay attention to the technique. The correct technique is, forefinger presses trowel tightly, press putty forcibly into the defect, and scrap all round putty smoothly to reduce the trace.
3. After the putty is dry completely, start to polish the surface and clean the dust.
4. The putty course shall be protected by watering, after 48 hours, start to paint the primer.

3. Primer Painting & Outline the Gap and Grid

Temperature: above 5 degrees Celsius

Humidity: 85% or less

Dry time: 4H

Coverage: 0.125KG/m²

Primer construction is the third step in coating construction. Chenguang water soluble clear primer can prevent external substances from eroding the wall effectively and improve the adhesion of the finish.

3.1 In the primer construction, the primer must be stirred evenly.

3.2 Painting primer evenly on the base course.

3.3 If it is necessary to outline the gap and grid, wait for the primer to dry, measure the size on the wall, use the ink cartridge to spring the line, ensure the position, paste the protection masking type, and then start to operate.

The Acceptance Criteria of Primer

The surface looks smooth, even, clean, no air bubble, no obvious brush marks, no leakage coating.

4. Natural Rock Coating Spraying

Temperature: above 5 degrees Celsius

Humidity: 85% or less

Dry time: 48H

Coverage: 4-5KG/m²

4.1 Natural rock coating construction generally adopts spraying, according to the requirements of spraying effect, choose a spray gun with appropriate caliber, Spray two thin layers on the dry primer evenly from the top to the down.

4.2 According to design requirements, different spray guns are used to paint different decorative effects such as reliefs, imitation bricks, flat sprays, double guns, triple guns and so on.

4.3 Before the natural rock coating is dry, tear off the masking type. After it is dry, smooth the sharp-grained particles on the surface to increase the beauty and avoid dust accumulation.

Note: After opening the can, pour out the natural rock coating and stir well. It is not recommended to dilute it with water. Products that have been opened should be used up as soon as possible.

The Acceptance Criteria of Natural Rock Coating

1. The sprayed surface shall be smooth, color-uniform, no crystalline bloom, no color biting.
2. Looking up the natural rock coating from 1 meter away, the thickness is uniform.
3. No sagging, lump or splashing.
4. No air bubble, scratch or spray leakage.
5. Decorative lines and color separation lines shall be clear.
6. The surface of windows and other components shall be clean.

5. Water Soluble Clear Finish Construction

Temperature: above 5 degrees Celsius

Humidity: 85% or less

Dry time: 6H

Coverage: 0.2-0.3KG/m²

After the main material layer is completely dry (usually 48 hours on sunny days), roll or spray a layer of finish thinly and uniformly without missing.

The Acceptance Criteria of Water Soluble Clear Finish

1. Color-uniform, gloss -uniform, no missing.
2. No sagging, lump or splashing.
3. The finish surface shall be clean.

Above is the all Construction Process of Chenguang Natural Rock Coating. The perfect construction process with perfect products can present a perfect coating effect.

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