

REC LITE 558

Exposed aggregate rendered finish

PRODUCT

Rec Lite 558 is cement based final render coat, finished to expose a variety of durable aggregates including granites and glass. It is supplied as a blend of dry materials which requires only the addition of clean water to provide, when finished, a highly durable rendered surface.

Technical data

- Composition:** White Portland cement, graded sand, specially selected aggregates (granite) and glass culets, additives and light fast pigments
- Appearance:** Rec Lite 558 gives a surface that is approximately 90% natural aggregates.
- Fire Resistance:** It is non combustibile and would be expected to meet a Class 0 Fire Rating when applied to non combustibile substrates.
- Maintenance:** No painting is required and maintenance is minimal. Resistant to extremes of weather.

USES

- Rec Lite 558** is the decorative top coat of a two coat render system
- Rec Lite 558** is suitable for both interior and exterior walls
- Rec Lite 558** will protect, decorate and upgrade concrete, blockwork, render and other masonry substrates

SUITABLE SUBSTRATE

- Sand-cement renders.
- Existing mineral render.
- Concrete
- Masonry substrates – undecorated. It is available in a range of natural aggregate colors.

CHARACTERISTICS

Mortar density	2.21 g/cm ³
7 day flexural strength	4 MPa
28 day flexural strength	5 MPa
7 day compressive strength	16 MPa
28 day compressive strength	17 MPa

"Values obtained acc. to BS EN 1015-11:1999"

Please note that results may vary due to the natural variations in raw materials used in the production of **Rec Lite 558.*

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

Rec Lite 558 should be applied onto a 10 -12 mm undercoat of Sodamco -Weber ready mix plaster. Scaffolding must be independently tied to allow for an uninterrupted application. Any faults in the structure, particularly those which may lead to moisture penetration must be rectified.

To avoid dampness and discoloration rendering should be avoided below DPC and within 150 mm of ground level.

All surfaces must be sound, clean, suitably dry and free of any material which may impair adhesion.

Undercoats must be well adhered to the substrate, of good alignment, thoroughly horizontally keyed and fully cured before **Rec Lite 558** is applied. All faults to be rectified before **Rec Lite 558** is applied.

Mask and protect as required. Edging tape must be removed before the material has dried.

Expansion joints should be included to coincide with joints in the substrate and carried through all render coats. To aid good quality application panel size should be controlled: a maximum of 6m² is recommended as a workable size.

Feature stop details, angles and joints in **Rec Lite 558** should be formed using clean and straight hardwood battens of 5 mm thickness with chamfered edges. Alternatively suitable PVCU beads may be used.

PRODUCT PREPARATION

Rec Lite 558 should be mechanically mixed with clean water at the rate of 4-5 liters per 25kg bag using a tumble mixer or suitable drill with whisk attachment.

Do not mix manually. Maintain a constant water : powder ratio throughout the application.

COMPOSITION	White Portland cement, graded sand, specially selected aggregates and glass culets, additives and light fast pigments.
APPEARANCE	Rec Lite 558 gives a surface that is approximately 90% natural aggregates.
FIRE RESISTANCE	It is noncombustible and would be expected to meet a Class 0 Fire Rating when applied to non-combustible substrates.
MAINTENANCE	No painting is required and maintenance is minimal. Resistant to extremes of weather.
WEATHER RESISTANCE	Rec Lite 558 has low permeability. It therefore resists the penetration of external water and has excellent weather resistance and durability, whilst allowing the substrate to breathe water vapour.



REC LITE 558

To ensure color uniformity of adjoining panels, **Rec Lite 558** should have the same batch number. **Rec Lite 558** from different batch numbers should be thoroughly mixed together before use.

PRODUCT APPLICATION

Rec Lite 558 is applied by stainless steel trowel and leveled to a thickness of 5mm. Using a plastic float, and SS trowel ensure the surface is closed. When firm to the touch, the aggregate is exposed with a wool roller and clean water. Consolidate with a damp felt pad. After 24–48 hours maximum clean the surface with a dilution of 1 part hydrochloric acid to 3 parts clean water.

APPLICATION PRECAUTIONS

Do not apply :

- On wood or metal surfaces
- On gypsum-based materials or paint.
- At ground level in order to avoid staining.

On design features such as parapet or similar, the render should be protected.

For difficult substrates please call RECKON for advice. As with all batch-made materials, and especially those containing natural aggregates, an exact color match cannot always be achieved.

PROTECTION

Protection from unfavorable weather conditions should always be provided during application and early age curing.

CURING

3 - 5 days after application.

CLEANING

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

CONSUMPTION

Approx 75m per ton at 5 mm thickness.

Note: this estimate does not allow for wastage and may vary according to the type and condition of the substrate. Undercoats to receive Rec lite 558 must be of good alignment.

STORAGE

12 months after manufacturing date in original and non-open packaging , under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

Contains cement (Contains chromium (VI)). May produce an allergic reaction). Harmful by inhalation. Irritating to eyes and skin. Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical help. After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing, gloves and eye/face protection.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

NOTE

The information included on this Technical Data Sheet is the sole property of Reckon Chemicals Pvt Ltd. The unauthorized disclosure, use, dissemination or copying (either whole or partial) of this data sheet or any information it contains, is prohibited and subject to legal pursuit.