



Res si Overlay is a single component (add water only) blend of white cement and special materials that forms a thin, concrete layer. **Res si Overlay** is easy to install and forms a tough, durable topping that will withstand years of wear. When used on properly prepared surfaces, **Res si Overlay** will permanently bond to concrete surfaces.

ADVANTAGES

- ✓ Easy to spread and work with.
- ✓ Establishes a good bond with the existing concrete.
- ✓ Can be applied up to 2 inches thick.
- ✓ Resistant to surface shrinkage and micro cracking.
- ✓ Can easily be colored using Res si Non-reactive Stain.
- ✓ Can easily be stained using Res sic hem Range of stains.

SURFACE PREPARATION

The recommended surface for **Res si Overlay** is a fully cured and a hardener concrete surface with sufficient compressive strength. **Res si Overlay** should be placed only on clean, sound, fully cured concrete free from all sealers, dirt, oil, paint, moss, dust, and other contaminants. Repair all damaged and deteriorated concrete prior to the placement of **Res si Overlay**. Cracks, holes, spalls, etc. should be filled, allow patching materials to fully cure prior to placement of **Res si Overlay**. Control joints must be honored. If control joints are filled, they must be re-opened after application. If epoxy is used in cracks, contain the epoxy to the crack and broadcast silica sand in the epoxy to ensure proper bonding of **Res si Overlay**. Additional relief cuts in repaired cracks can be completed after the application of the stamp Overlay. Any areas with contaminants such as hydraulic fluid, cutting oils or other materials prone to migration, they should be marked, degreased and shot-blasted until they turn white. Always pressure-wash or vacuum the surface to remove dust and debris left over from other surface preparation or repair procedures. Once the concrete surface has been prepared and cleaned, keep it clean throughout the duration of the project. Proper and complete substrate surface preparation is critical to the success of the project.

APPLICATION

Temperatures for application should range from no less than 13 °C up to 35 °C. Substrate temperatures affect set times as well. Do not use in windy conditions. A test area is recommended to help determine set times. Once the surface has been prepared and profiled, a uniform surface is necessary for even application of the **Res si Overlay**. The material is easily spreadable over a concrete surface after which standard decorative concrete practices can be used to finish the overlay surface. It is highly recommended to seal the surface using an appropriate sealer from the Res sic hem range.



TECHNICAL INFORMATION

Appearance	Grey Powder
Composition	Contains cement and selected aggregates along with additives to improve consistency, workability, and durability.
Maximum aggregate size	3.36mm
*Water application	25% ± 5%
*Wet mix life	Approximately <01 Hours @ 20°C
*Compressive strength	30 N / mm ² @ 28 Days (Tested as per BS EN 1015-11)
*Flexural strength	7.5 N / mm ² @ 28Days (Tested as per BS EN 1015-12)
*Approximate Yield / Coverage	0.55m ³ / T

*Typical results under laboratory conditions

CURING

Once the surface is sealed protect the surface from foot traffic for 36 hours. Protect from vehicular traffic for 5 days following sealer application.

SHELF LIFE

Expiration of **Ressi Overlay** is at 12 months after production date under dry and sheltered conditions.

PACKAGING

Ressi Overlay is available in 50 KG bags.

HEALTH & SAFETY

Ressi Overlay is regarded as nonhazardous for transportation. Do not reuse bags or containers and dispose them off as per local rules and regulations. Gloves and suitable masks can be worn during application.