

FK 999

FK 999 is an **aliphatic polyurethane based, roll-on floor coating** for exposed car decks. It has excellent adhesion over primed surface and excellent resistance to UV degradation to prevent colour fading.

Properties:

- Light stable.
- Fast curing.
- Good abrasion resistance.
- Good chemical resistance

Application areas:

- FK 999 is used as a hard wearing top coat for exposed areas where abrasion resistance and UV resistance are needed.
- FK 999 forms the part of the top coat of Cipy FloorDeck systems such as LDA, MDA and HDA.

Direction to use:

- Ensure that the concrete is cured for a minimum 28 days and the residual moisture is within the desirable limits. CDS (Clean, Dry and Sound) tests are to be carried out before the primer is applied.
- Check the residual moisture by a moisture hygrometer and it should not be more than 5%.
- Surface preparation methods like shot blasting, scarification or floor diamond grinding are carried out to attain a surface profile of 150-200 microns.
- Apply primer Cipoxy 15 or Aquoxy 50.
- Broadcast selected quartz sand (FQ Sand 40 or 60) evenly on the primed surface at a spreading rate of 1-2 kg / sqm.
- For MDA and HDA systems, Floorflex as a membrane is applied at a spreading rate of 400-1000 microns and allowed to cure for 6 hours.
- FK 999 resin is pigmented. Stir it well before mixing. Mix FK 999 resin and FK 999 hardener in 2:1 ratio by volume. Agitate the mixture for 2-3 minutes. Apply by roller / brush. Allow to cure for 3-4 hours. Apply second coat. Allow to cure. Allow trafficking after 24 hours of curing.

Typical physical properties:

Type	Polyester-aliphatic isocyanate
Mixing ratio(R:H)	2:1 by volume
Colour	Desired shade
Finish	Smooth glossy
Viscosity: Resin Hardener	10 - 12 ps 1 to 3 ps
Mixed density	1.20 ± 0.02
Flash point	Above 29° C
Surface dry	1-2 hours
Tack free dry	3-4 hours
Hard dry	24 hours
Theoretical Coverage	4 - 5 sq m /litre @ 100 microns
Application method	Roller / brush
Diluent	PUT 503 / PUT 509
Clean up	PUT 502
Shelf life	12 months in the unopened container.