ROKA Hygiene Coat

Single Component, Waterborne, Modified Acrylic Wall Coating with Silky Gloss Finish

Roka Hygiene Coat is a single component, waterborne, modified acrylic resin-based hygienic surface coating containing anti-microbial additives suitable for clean rooms.

Uses & Advantages:

- Easy application.
- Fast drying, two coats in one working day.
- Hygienic - inhibits growth of microbials.
- Flexible in comparison to standard acrylic paints, resists to cracking and flaking.
- Good resistance to repeated cleaning regimes using mild detergents and cleaning solutions.
- Good opacity.
- Odourless application.
- Non-yellowing.
- More eye friendly as it does not reflect light like high gloss coating

Fields of Application:

- Suitable for “Clean Rooms” in the pharmaceuticals & and medical industry.
- Suitable for production facilities in the pharmaceutical, medical engineering, food and

beverage industry, as well as hospitals, prisons, healthcare and leisure facilities.

- Embedment, intermediate and topcoat for internal walls and ceilings.
- As a maintenance layer on existing coatings.

Technical Information:	
Appearance	Dense Liquid
Color	White, Off-white, other colors are available on request
Chemical Base	Styrene-acrylic Copolymer Dispersion, waterborne
Density	1.25±0.05 kg/l
Nature	VOC and APEO free Emulsion
Consumption	~ 0.20 kg/m^2 per layer without reinforcement. ~ 0.35 kg/m^2 per layer for reinforcement
WFT	~200 µm per layer without reinforcement
DFT	~100 µm per layer without reinforcement
Relative Humidity	≤ 80%
Ambient Temperature	+8°C to +35 °C
Substrate Temperature	+8°C to +35 °C ≥3°C above dew point, beware of condensation

Substrate Moisture Content	< 6%
Overcoating Time	At 10°C: Min 4 hours At 20°C: Min 2 hours At 30°C: Min 1 hour
Tensile Strength (EN ISO 527-3)	2.6 N/mm^2 unreinforced
Tensile Adhesion Strength (ISO 4624)	< 1.5 N/mm2
Elongation at Break (EN ISO 527-3)	88 % unreinforced
Chemical Resistance	Mild detergents and cleaning agents. Consult Roka Chem Solutions for specific information.
Permeability to Water Vapor (EN ISO 7783-1)	~ 37.5 g/m^2 in 24 hours
Packaging	5 & 20 kg
Shelf life	12 months from date of production if kept in recommended conditions
Storage	Store properly in closed, sealed and undamaged packaging in dry conditions at temperatures between +5°C and +30°C. Protect from direct sunlight and frost.

Surface Preparation:

It is important to ensure that the surface is treated properly before the application of Roka Hygiene Coat as incorrect treatment of cracks may lead to a reduced service life and reflective cracking.

New Paint: All concrete and masonry surfaces must be clean, dry, mechanically sound and free of laitance, nibs, dust, grease and oil. Remove all defective areas using a suitable abrasive paper or stiff brush and dust off. Any holes should be filled with an adequate mortar, e.g. sand/cement gauged with Roka Latex. After priming new surfaces with Roka Primer-WB, fill up the irregular/uneven surfaces with Roka Wall Putty. Apply 2-3 coats of special wall putty or paste Roka Mat-100 using proper application tools. Scuff the surface with sandpaper and dust off after each coat.

Repaint of Sound Surface: Using a suitable abrasive paper remove all defective or poorly adhering material and dust off. Spot fill the surface with Roka Wall Putty and repeat the above-mentioned procedure accordingly.

Repaint for Powdery, Dusty Surface, Cracks & Other Surface Defects: Using a suitable abrasive paper, stiff brush or scrapping with scrappers remove all defective or poorly adhering material and dust off. For large holes and cracks use Cement: Sand: Roka Latex mixture. Allow it to dry. Spot fill the uneven surface using Roka Wall Putty. Use 2-3 coats of Roka Wall Putty or Roka Mat-100 with suitable tools. Scuff the surface with sandpaper and dust off after each coat.

Mixing:

Stir product mechanically using a low-speed electrical stirrer (300-400 rpm) to avoid air entrapment until a uniform liquid has been achieved.

Application:

For roller application use short fibre roller. For airless application use tip sizes from 0.38 to 0.53mm/ angle 40° to 60°. Each type of roller will give a slightly different surface finish so always use the same type of roller for consistent results. Apply 2 or more coats of Roka Hygiene Coat. For optimum results, it is recommended to apply Roka Hygiene Coat with short fiber roller.

Remarks:

- Ensure entire surface is fully dried before over coating to avoid crazing.
- Always ensure good ventilation when application takes place in a confined space to ensure drying.
- Do not apply near food stuffs in unventilated conditions.
- Acoustic insulation boards may lose some acoustic absorption properties.

Protection on Completion:

Protect against traffic and spillage until cured.

Equipment Cleaning:

During brief interruptions of work, equipment should be immersed in clean water. At major stoppages it must be washed with soap and water or with a super brush cleaner.

Important Note:

The information provided in this data sheet is based on ongoing development efforts and extensive field experience. While we strive to ensure the accuracy and reliability of the information, we cannot assume responsibility for any work performed using our materials, as we have no control over application methods, site conditions, and other factors. Due to ongoing research and development in our laboratories, we recommend that customers verify that this data sheet has not been replaced by a more recent publication.

All products are sold under our standard conditions of sale, which are available upon request. Any field services offered do not imply supervisory responsibility. For further information, please contact your local representative of Roka Chem Solutions.