Technical Information

AB-COR® 971 Repair

1-C-Acrylic spray coat / topcoat, coloured, silk matt

Description:

1-component special acrylic polymer, application by spray can
VOC < 800 g/l, contains solvents

Characteristics:

- UV- and weather resistant
- good coverage
- easy to apply
- for outdoor use
- excellent adhesion on most surfaces
- fast tack-free after application
- silk matt finish

Application:

AB-COR 971 Repair is a pigmented and weather resistant topcoat which is preferably applied by spray can for minor repairs at hydraulic engineering and offshore constructions. **AB-COR 971 Repair** is particularly used where increased protection against weather and atmospheric conditions is required and standard application methods are not applicable. Due to the special acrylate polymer combination it is possible to achieve abrasion resistant surfaces which are easy to clean.

AB-COR 971 Repair is suitable for use as topcoat on a freshly applied corrosion protection coat with **AB-COR 950 SW Repair**.

N/B: For bigger areas we recommend to use **AB-COR 971** which can be applied by brush / roller or airless spray equipment.

Layer thickness:

approx. 1 - 2 m² per spray can (at 50 microns DFT), depending on surface and application conditions

N/B: Best thicknesses from 100 to 200 microns WFT (corresponds to 25 to 50 microns DFT) per application; at > 200 microns WFT formation of pores is possible (propellant retention). Depending on coverage multiple coats may be required.

Resistant to:

- water and marine conditions
- weather conditions
- temperature dry up to 60°C
- diluted acids and alkalis (please consult us)

Technical Data:

Mixing ratio n/a	1-component
Density (23°C)	approx. 1,0 g/cm³
Volume solids	approx. 30 %

Details for application:

Pot life (5°C / 23°C / 30°C)	1-component
Substrate temperature	minimum 5°C up to maximum 30°C
Material temperature	10°C - 25°C
Maximum relative humidity of air	85 % (minimum +3°C above dew point)
Duration between applications (should the duration between coats be too soon, curing of the subsequent coat will be affected)	5°C: min. 2 hours 23°C: min. 1 hour 30°C: min. 45 minutes
Curing time / tack-free (5°C / 23°C / 30°C)	2 hours / 1 hour / 45 minutes
Curing time / mech. resistance (5°C / 23°C / 30°C)	3 days / 1 day / 1 day
Curing time / chem. resistance (5°C / 23°C / 30°C)	5 days / 3 days / 2 days
All above values are approximate and may be used as a guideline for specifications	

Packaging:

500 ml - spray can

Colour:

traffic yellow approx. RAL 1023 (other colours are available on request)
- due to raw material variations and manufacturing techniques, a slight colour / batch difference may occur -

Storage:

12 months, unopened in original cans under cool, dry conditions and a temperature of 10 - 25°C.

Surface preparation:
The surface of **AB-COR 950 SW Repair** must be clean, dry and free of dirt, grease, oil, fat and other contaminants which impair the adhesion. Prior to, during and after the surface preparation, application and curing the substrate temperature must be minimum +3°C / 3K above the dew point (see dew point table).

Preparation of material:

Spray can: Prior to and during use:
- Shake well until the mixing balls move freely in the can!
- Repeat this process during use.
- If possible, consume the opened spray can at one time or clean the nozzle carefully immediately after use.

After use:
- To clean the spray nozzle hold the can perpendicular (spray head down) and keep on pressing the button until only propellant comes out (no more colour). Remove the nozzle from the can and use a needle to open or free it up.

Application method:

Spray can
A suitable distance of about 15 - 25 cm must be maintained between the spray can and the substrate surface. For optimum spray pattern perform crosswise spraying. A uniform application speed must be maintained to avoid bubbles or paint runs. Several thin-layer steps give a better result than one thick layer, which can cause paint runs. Between the coating layers a waiting time of about 60 minutes should be planned. The weather conditions, such as wind, have to be taken into account. Pressurized container! Protect from sunlight and do not expose to temperatures exceeding 50°C. After use do not open or burn. Keep away from heat, spark, fire and other sources of ignition. Danger of bursting container in case of thermal development. Containers emptied of residues may still contain hazardous residues and containers not emptied should be removed harmlessly according to the actual disposal guidelines.

The a. m. information are recommendations only and may be adjusted depending on the conditions of the object.

Resistance:

Mechanical	**Thermal**	**Chemical**
• scratch resistant • UV - resistant and UV - protective	• dry heat up to + 60°C	• industrial and marine conditions • splash / spillage of: water, sea water • diluted acids and alkalis (consult us)

Due to the fact that the resistance of the coating can be affected by various factors (medium, temperature, concentration, layer thickness, etc.) we recommend to consult us prior to application.

Health and safety:
Due to the fact that **AB-COR 971 Repair** is a solvent containing coating, it is common practice when used in enclosed areas to circulate the air during and after application until the coating is cured. The ventilation system should be capable of preventing any solvent vapour concentration from reaching the lower explosion limit for any solvents that may be present. Avoid inhalation of the vapours. Wear suitable protective clothing, gloves, eye / face protection and suitable respiratory equipment. Adequate ventilation of the working areas is recommended. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When using do not eat, drink, smoke and keep away from sources of ignition. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Safety Data Sheet.

AB-Polymerchemie GmbH
Tjüchkampstraße 21 - 24
D - 26605 Aurich
Tel.: +49 (0)4941 - 604360
Fax.: +49 (0)4941 - 6043643
info@ab-polymerchemie.de
www.ab-polymerchemie.de