
FLOXY S

FLOXY S is two component type paint based on crosslinking epoxy resins.

CHARACTERISTICS

A high build epoxy coating has excellent adhesion to the concrete which is treated properly and gives outstanding protection in severe chemical environment. It has excellent impact resistance and provides the gloss finish and cosmetics appearance. It is also easy washable and has good serviceability. For heavy loads, high traffic areas and low maintenance.

RECOMMENDED USE

Used for floors to protect of concrete structures (e.g. parking area, office and etc).

PHYSICAL PROPERTIES

- Colors Green, Gray, etc.
- Volume Solids 54%
- Recommended Dry Film Thickness 50~150 μm per a coat
 - * Don't excess 200 μm per a coat
- Theoretical Coverage 3.47 m^2/L (dry film 100 μm)
0.32 kg/m^2 (dry film 100 μm)
- Finish Gloss
 - * Exposure to direct rays of the sun for a long time, it may cause the discoloration and eventually chalk.
- Dry Temperature Resistance continuous 90 $^{\circ}\text{C}$
non-continuous 120 $^{\circ}\text{C}$
 - * Discoloration and loss of gloss is observed when it is continued.
- Chemical Resistance

Exposure	Condensation	fumes
Dilute acids	Good	Excellent
Dilute alkalis	Excellent	Excellent
solvents	Good	Excellent
water	Excellent	Excellent
Saline water	Excellent	Excellent

- Not Recommended for:
 - * Immersion service or exposure to strong acids and solvents.
 - * Exposure to direct rays of the sun for a long time. It may cause the losing gloss, discolor and

eventually chalk.

* For long lasting color retention, apply acrylic urethane resin base topcoat.

MIXING RATIO

- Gloss A : B(hardener) = 2 : 1 (by weight)

PACKING UNIT

- Gloss part A(Main Agent): 12kg
part B(Hardener): 6kg
- Available as required

STORAGE CONDITIONS

- Store it indoors.
- Temperature: 0~43 $^{\circ}\text{C}$
- Relative Humidity: 0~90% (sealed condition)
- Make sure that the remaining paint after use should be sealed.

SHELF LIFE

- 12 month (at room temperature)

* This document is exact, but it can be changed for quality improvement without notice. For more detailed information, contact to Technical Center of our company.

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SCOPE

This Direction for use applies to **FLOXY-S**. This is a standard guide. If there are anything different from the specification at the workplace, please follow the specification.

WORKING CONDITION

- Painting Tools: power mixer, brush, roller, masking tapes and so on.
- Pot Life: 4 hours (25°C)
- Dry through: 24 hours (25°C)
- Time to recoat: 12 hours (25°C)
- Application Conditions

	Material(°C)	Surface	Ambient	Humidity(%)
min	5	5	5	0
nor	21~26	21~26	21~26	Below 80
max	32	37	37	Up to 85

- * These can be different under the working environments.
- * In case of excess the limitation, contact our technical service.

SURFACE TREATMENT

- Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating.
- Previously painted surfaces should be scraped clean of flaky or peeling paint.
- Needed the proper preparation and recommended a primer.
- The cure time of concrete.

Temperature(°C)	Drying times (days)
24	More than 28
21	Upper 30
10	Upper 40
7	Upper 60

- Remove any oil or grease from surface to be coated with clean rags soaked in Jeong Seok Thinner #001, #003 or toluol in accordance with SSPC-SP-1.
- Available to recoat over the epoxy coatings for the maintenance.

DIRECTIONS FOR WORK

1. Priming
 - Surfaces must be clean and dry.
 - Porous concrete may require a primer to achieve a satisfactory surface for painting.
 - This will improve hydrophobic surface properties.
2. Thinning

- Spray: up to 10%
- Roller/brush and windy or high temperature condition: up to 15%
- 3. Application FLOXY S
 - The optimum time to topcoat is when the primer is "touch-tacky".
 - Keep the interval of repainting described and make the thickness of its dried paint film over 1mm.
 - Use moderate rake and trowel.
 - If those maximum recoat times have been exceeded, the surface must be abraded by sweep blasting or sanding prior to the application of additional coats.

PRECAUTIONS

- Avoid painting in a rainy or humid day (over 85%) and under less than 5°C as it can make poor paint film (cracks or bad adhesion in the coating layers).
- MSDS is recommended for more information.
- Do not use it under the direct rays of sun in summer.
- Personnel protective clothing should include goggles, rubber gloves, and full length clothing.
- Please treat it with the paint 28 days after the cement mortar got the final treatment and it is below ph 9 and 8% moisture content.
- Keep adequate ventilation during the application.
- Keep it away from ignition.
- Make sure that the paint should not be kept for a long time after opening and the remaining paint should be sealed after use.
- Do not apply when air or surface temperature is below 10°C or when rain or high humidity is imminent.

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