

FloroSpartic Zero & System 340

Product Description:

FloroSpartic is a 2-component glossy, clear, Aliphatic Polyaspartic. It is a light stable, high performance polymeric system that cures well in cool conditions. It provides superior chemical resistance to oil, grease, strong detergents and is quick drying, allowing the project to be finished in 1 day.

Typical Uses, Applications:

Ideally suited for priming, basecoat and topcoats in the FloroShop, FloroQuartz & FloroChip systems. FloroSpartic can also be used as a topcoat over epoxy and Polyurethane Mortars. Highly used in residential, commercial, industrial and institutional applications where fast turnaround or cool conditions exist such as:

- Veterinary clinics
- Aircraft hangars
- Hotels & restaurants
- Retail & Leisure facilities
- Showrooms
- Education establishments
- Public buildings

Product Advantages:

- Excellent durability and chemical resistance
- Fast curing for quick turnaround
- Resistant to Ultra Violet light
- A variety of colours can be achieved with the addition of Florock Universal colourants
- Cures in cool temperatures

Packaging:

2-part A+B

FloroSpartic Zero
3.78 litres (when blended)

FloroSpartic 340
7.56 litres (when blended)

Cured Physical Properties – FloroSpartic Zero & 340		
60 Gloss	ASTM D523	90+
Impact Resistance	MIL D-2794	>160
Adhesion	ASTM D-4541	400 PSI
Hardness	ASTM D-3363	4H
Tensile Strength	ASTMD2047	7000 PSI
Abrasion Resistance, Taber Abrader CS 17 Wheel, 1000g load, 1000 cycles	ASTM D4060	15 mg loss
QUV	UVB-373/1500 hrs	90%
Flexibility (6mm:Cylindrical mandrel)	ASTM D -1737	Pass
Elongation	ASTM D -2370	9%
Coefficient of Friction	ASTM D-2047	>0.6

Storage:

All containers should be stored between 5° C to 35° C and be kept tightly sealed and out of direct sunlight.

Coverage:

FloroSpartic is typically applied with a brush, squeegee or mohair roller at 4.8-7.2m² /ltr depending on surface profile.

Surface Preparation:

New concrete must have a 28 day cure, and preferably a broom swept finish, prior to coating. In the case of older concrete flooring, remove all surface oils, paint, dust and debris. Prior to coating, make sure the surface is clean, passes the Moisture Vapour Transmission (MVT) test and the water drop test and that all surface defects have been repaired. Refer to the Florock "Preparation of Concrete" datasheet for more information on preparation and MVT before proceeding.

Note: FloroSpartic should not be applied when floor temperature is above 32° C or below 0° C, or when within 3°C of the dew point. Cooler temperatures require longer cure times. Consult your Florock Rep. for details.

Mixing FloroSpartic Zero:

Pour the contents of Part A into Part B. Mix thoroughly for 3-5 minutes, using a low speed mechanical mixer. Then pour entire mixture onto floor immediately.

Mixing FloroSpartic 340:

In a clean, dry container, blend 1 part by volume of resin Part A with 1 part by volume of activator Part B. Mix thoroughly for 3-5 minutes, using a low speed mechanical mixer. Then pour entire mixture onto floor immediately.

FloroSpartic can be coloured with Florock Universal Colorants accordingly:

- FloroSpartic 100: use 0.5ltr colourant per 3.78 litre batch
- FloroSpartic 340: use 1ltr colourant per 7.56 ltr batch

Note: The cure time will vary with cooler temperatures. Allow a minimum of 2 hours and a maximum of 24 hours between each step.

Standard System:

1. Primer - Mix and apply spreading with a flat or 3mm notched squeegee and roll out at 4.8-7.2m² /ltr
2. Basecoat – Mix and apply spreading with a flat or 3mm notched squeegee and roll out at 4.8-7.2m² /ltr. While still wet, broadcast coloured quartz aggregate or vinyl flakes.
3. 1st Topcoat – Mix and apply spreading with a flat or 3mm notched squeegee and roll out at 4.8-7.2m² /ltr

4. 2nd Topcoat – Mix and apply spreading with a flat or 3mm notched squeegee at 4.8-7.2m² /ltr

Blended Components FloroSpartic Zero	
Blended Ratio	3:2 by volume
Curing Time, 21° C @ 50% RH	
Set to Touch, 21° F *	1 hrs.
Minimum Recoat (Foot Traffic)	2 hrs.
Maximum Recoat	24 hrs.
Pot Life (3.78 ltr Volume)	20 min.
Minimum Recommended Spread Rate	4.8-7.2m ² /ltr
N.V.W., ASTM D2369	100
N.V.V., ASTM D1259	100
Blended Viscosity, ASTM D2196	400 cps
VOC, ASTM D3960	0 gpl

Blended Components FloroSpartic 340	
Blended Ratio	1:1 by volume
Curing Time, 21° C @ 50% RH	
Set to Touch, 21° C *	< 2 hrs.
Minimum Recoat (Foot Traffic)	2 hrs.
Maximum Recoat	24 hrs
Pot Life (7.56 ltr volume)	1 hr.
Minimum Recommended Spread Rate	4.8-7.2m ² /ltr
N.V.W., ASTM D2369	53.8
N.V.V., ASTM D1259	51.5
Blended Viscosity, ASTM D2196	40 cps
VOC, ASTM D3960	260 gpl

*Cure time is 12 hours @ 0°C.

Instructions for Use over Existing Coatings:

Examine the existing coating to ensure that it is well bonded to the concrete. Any loose coating must be completely removed. Edges should be sanded to a feathered edge. Clean the entire floor thoroughly with detergent cleaner. The surface must be free of all dirt, oils, or other contaminants.

After the floor has completely dried, sand the existing coating until a powdery residue is evident and all gloss is removed. Sweep or vacuum clean, and wipe solvent free wipes to ensure good adhesion of the new System.

Optional Cove – FloroSpartic can be used as a "painted on" cove. Tape off a straight cove line. Apply a coat of primer and allow to cure. Then, apply a basecoat for broadcasting the aggregate or flakes into. Finish with two topcoats.

Note: When coating over existing coatings, a test patch is recommended to evaluate compatibility.

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Please read material safety data before using product.

DISCLAIMER:

All statements and recommendations above are based on experience we believe to be reliable. The use or application of these products being beyond the control of the Seller or Manufacturer, neither Seller nor Manufacturer make any warranty, expressed or implied, as to results or hazard from its use. The suitability, risk and liability of a product for an intended use shall be solely up the User.