



Compset LV epoxy

Compset protective coatings

Description :

Compset LV is a high gloss, low viscosity, solvent free polymer system designed for application as a hard wearing surface over concrete. Integrating the newest technology, **Compset LV** combines the ease of application of epoxies with the toughness and wear resistance of acrylics. Containing no solvents, **Compset LV** offers a safe alternative to conventional solvent based materials as well as being resistant to ultra violet degradation for internal behind window applications.

Advantages:

- Solvent free, clear or coloured system
- Low viscosity
- Excellent abrasion and scratch resistance
- Low temperature cure

Usages:

- Protection & enhancement of polished or ground concrete
- Clear sealer over vinyl flake flooring
- Hardwearing , coloured sealers

Engineering data:

Shore D hardness	50
Abrasion resistance Taber (1000 cycles 1 kilo weight clear coating)	
CS-17 µm loss	39
H22 µm loss	168
Compressive strength MPa	50
Tensile strength MPa	44
elongation %	18
Application temperature	5°C - 30°C
Tg DSC °c ultimate	48°C (typical)
VOC content	< 30 grams / litre

Application data:

Mix ratio by volume	2 resin to 1 hardener
Work Time	15 - 30 minutes
Tack free	4 to 6 hours depending on Hardener selection
Re coat time @25°C	6 - 24 hours
Application rate	6 - 7 m ² / litre per coat
Film thickness	150 µm per coat
Light Traffic	24 hours 25°C
Cure time	7 days

Application instructions :

Compset LV should not be specified for external or in direct (not screened by glass) sunlight application. Concrete surfaces should be clean and free of additives, curing agents and contaminates. Prepare by diamond grind, track or light shot blast to provide suitable profile.

Cement based substrates should be at least 21 days old before coating.

Test for rising damp or back water pressure before application as adhesion failure is likely to occur. Old concrete floors previously contaminated with fats and oils should be tested for adhesion before application of epoxy compounds.

Compset LV is not chemically resistant to food acids or hot chicken fat in processing areas. High humidity or drops in temperature in 4°C around the due point may cause whitening of the surface.

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Notice :
The information provided in this brochure is presented in good faith and is based best of Vee-Tek knowledge, information and belief. It is solely the Buyers responsibility to determine whether Vee-Tek products are appropriate for the Buyers use. If in any doubt consult qualified engineer. No warranties are given, expressed or implied. Consult current MSDS for safety and handling of Vee-Tek products.

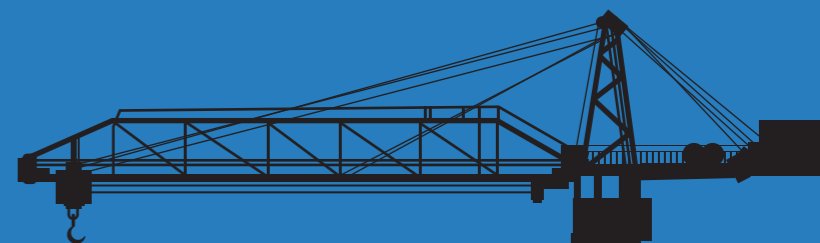


Compset protective coatings

UHS solvent free epoxy
high build, chemical resistance

epolink WB
water based epoxy systems

LV epoxy acrylic
tough , low viscosity coatings



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Compset UHS epoxy

Compset protective coatings

Description :

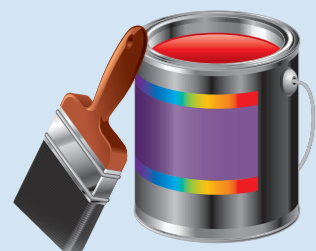
Compset UHS is a solventless, high build , heavy duty epoxy coating for the protection of concrete floors and walls against chemical attack and mechanical abrasion in industrial installations. The surface finish of **Compset UHS** makes this sytem ideal for applications where hygiene and cleanliness are important. **Compset UHS** is suitable for the coating of water treatment tanks and is recommended for use in the food processing, hospital, school, automotive and marine industries.

Advantages:

- Solvent free
- High Build
- Excellent abrasion and scratch resistance
- Chemical resistant
- Food processing industry
- Education facilities
- Mining and Construction industries
- Warehousing

Application data:

VOC content:	< 20 grams / litre
Mixing Ratio by volume:	3 Resin to 1 Hardener
Working time:	30 mins at 25°C Standard 30 mins at 15°C Fast grade
Minimum substrate temp	10°C
Application rate:	First coat 4 - 6m ² /L Second coat 6 - 8m ² /L
Film thickness:	350 - 400 µm
Recoat time @25°C	16 - 48 hours
Light traffic:	24 hours 25°C
Cure time:	7 days



Engineering data:

Shore D hardness:	75
Tg DSC °c ultimate	54
Compressive strength MPa	35
Tensile strength Mpa	12
elongation %	4
Taber Abrasion 1kg 1000 cycles	
C17 µm loss	118
H22 µm loss	265
Adhesion to concrete MPa	> 1.70

Typical chemical resistance : spillages

- Skydrol
- Gasolene
- Acetic Acid 5%
- Sodium Hydroxide 30%
- Vegetable oils
- Sulphuric Acid 20%
- Ammonia solution
- Jet fuel
- Organic detergents

Application instructions :

Concrete surfaces should be clean and free of additives, curing agents and contaminates. Prepare by diamond grind, track or light shot blast to provide suitable profile. Cement based substrates should be at least 21 days old before coating. Test for rising damp or back water pressure before application as adhesion failure is likely to occur. Old concrete floors previously contaminated with fats and oils should be tested for adhesion before application of epoxy compounds.



epolink WB epoxy

Compset protective coatings

Description :

epolink WB water based epoxy offers the specifier and end user the benefits of the latest developments in waterborne coating technology. The system offers a unique combination of easy application, which includes fast drying to an extremely durable protective coating. The use of this coating results in minimal enviromental or operational impact on end user operations. **epolink WB water based epoxy** can be applied over all forms of concrete and composite surfaces to produce hard wearing protection.

Advantages :

- Low VOC < 35 grams / litre
- Roller or airless spray application
- Cleanable, non slip profiles
- Good adhesion
- Fast return to service
- Odourless
- Easy mix ratios

Engineering data:

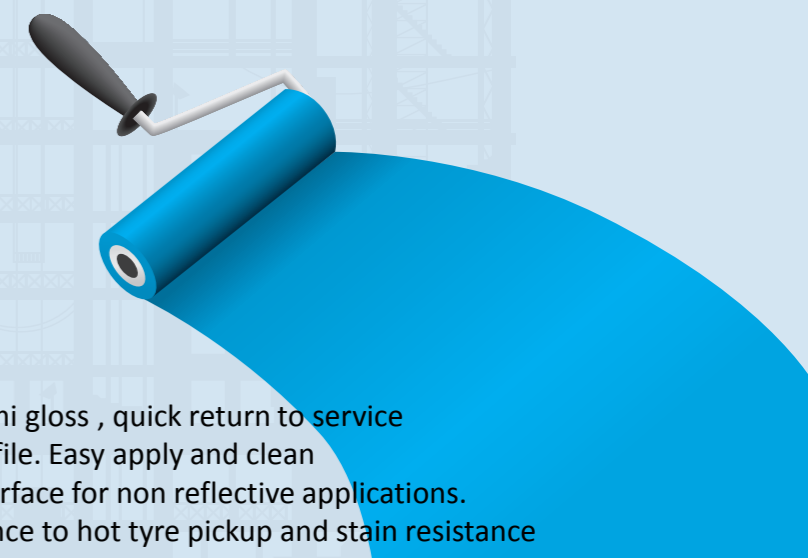
Adhesion to concrete MPa	> 1.7
Abrasion resistance Taber	
1000 cycles 1 kilo weight	
CS-10 wheel	95 mg
CS-17 wheel	120mg
Volume Solids	50%
Flash Point	None (non Flammable)
Coverage	1 litre = 4 m ² (2 coats) 100 - 150 µm wet per coat 125 µm total dryfilm thickness (2 coats)
Application temperature	8°C - 35°C
Tg DSC	48°C (typical)

Application data:

Work Time	1 hour
Tack free	1 to 3 hours depending on Activator selection
Re coat time	4 - 12 hours
Heat resistance	up to 115°C dry heat
Acid resistance	dilute acids splash and spill
Alkalis resistance	dilute alkalis spill
Solvents	Resists splash and spillage of aliphatic and aromatic solvent
Weatherability	Will discolour on exterior exposure
Clean up	Water

The Epolink WB **Base Component** comes with an unlimited spectrum of colors encompassing most international standards.

The selection of **Activator Component** covers all possibilities of application and service requirements.



- **SER Grade** Fast dry, semi gloss , quick return to service
- **SER-P50 Grade.** Non slip profile. Easy apply and clean
- **SER-Matt.** Low gloss surface for non reflective applications.
- **LER Grade** Best resistance to hot tyre pickup and stain resistance