DSR coating is a chemical and water resistant, polymer modified acrylic coating. Applied as a single component liquid. DSR cures to give a flexible coloured Coating.

USES

DSR is recommended where a protective and decorative or coloured finish with good flexible properties is needed. DSR is also recommended where the surface requires protection from intermittent hydrocarbon or chemical spills.

Applicationsinclude roof waterproofing, corrosion protection for storageand process tanks, piping and metal and wood structuralfeatures and decorative surface finishes for decks, walkways.

BENEFITS

- Ease of application and minimal surface preparation
- Contains no solvents or toxic chemicals
- Resists degradation from a wide range of chemicals
- A flexible coloured membrane resisting cracking and aging
- Good abrasion resistance
- Low permeability and water vapor transmission
- Excellent resistance to hydrocarbon and chemical spills
- Mechanical damage to the membrane can be easily repaired
- Fully adhered and seamless membrane –no leakage

PRODUCT DESCRIPTION

DSR coating is water based acrylic emulsion which has been modified using various performance enhancing polymers and pigments that is easy to apply and The membrane cures to achieve full performance within hours.

PERFORMANCE DATA(cured membrane)

Property	Typical Results
Chemical resistance	Most organic and inorganic solutions including petroleum hydrocarbon products
ImpactresistanceCGSB 37-GP-56 @23ºC Watertightnessafterimpact	168 in-lbs Pass (no leakage observed)
UVresistance(ASTMG 155) 250 hrs.	No deterioration of the film, >90% retention of original tensile strength
Tensilestrength(ASTM D 412)	1200 psi
Adhesiontoconcrete(ASTM C907)	450 psi
Lowtemperaturemandrel @-15 C.	pass
Hardness,Durometertype 00 type A type D	80-85 65-67 18-20
Elongation	>200%

PHYSICAL PROPERTIES (liquid)

Property	Typical results
Specific gravity	1.2
Solids content	65-68%
Viscosity Cps, Brookfield	5000-8000
pH	8-11

DSR coatings is available in the following colours.



TECHNICAL SUPPORT

DSR provides contractingprofessionals, high quality, environmentally safe andperformance-based waterproofing and corrosion preventionproducts worldwide. Cantech provides contractors andend-users a detailed package of technical information andtraining. In addition our technical services department is available for consultation and field application support.

APPLICATION INSTRUCTIONS

DSR coating is a water based and environmentally friendly product which must be applied when the ambient temperature is above 5°C.

DSR is to be applied between 0.4 – 0.8 m2/litre depending on the required membrane thickness and colour selected (lighter colours may require a heavier application). For best results apply in multiple thin coats.

When using tape for detailing or termination points remove tape as soon as possible. If unable to remove tape after product has cured carefully pull back tape using sharp blade to prevent peel back of product.

Coverage
Cured membrane thickness (mm)

	Coverage (m²/litre)
0.5	1.50
1.0	0.75
1.5	0.50
2.0	0.38



Typically DSR coatings will dry to the touch in several minutes and is largely cured within 24 hrs. .

DSR Coating is unaffected by a range of acids, alkalis and waterborne salts and is resistant to biological deterioration.

DSR is not recommended where the surface is continually submerged in water, but can be used where exposure is intermittent.

Where DSR coating is applied as a top coat over polyurethane foam in roof coating applications; apply to a minimum thickness of 1mm.

Because DSR coating is a flexible membrane and not a paint coating it is important to build thicknesses about 1mm for both flexibility and longevity.

CLEANING

Tools and equipment can be cleaned with distilled water if the product is fresh and still liquid.

STORAGE

Shelf life ofDSR stored in its original unopened container is 12 months.Normal stirring upon opening is recommended.

Product should not be stored below 5ºC or above 30ºC.

DSR Coatings contains no solvents and has a flash point greater than 180ºC.

Sales & Distribution: