

COVERFLEX

FLEXIBLE WATERPROOF MEMBRANE FOR PERMANENT ENCAPSULATION OF CEMENT-ASBESTOS

A-B-C types in compliance with the Italian Ministerial Decree 20/08/1999



COVERFLEX is a one-component waterborne resin coating for type A (external exposed surfaces), type B (internal exposed surfaces) and type C (non-exposed surfaces prior to confinement) permanent encapsulation. It has been certified in compliance with the Italian Ministerial Decree 20/08/99.

COVERFLEX has superior flexibility, resistance to yellowing and high bonding. It creates a waterproof coating that resists cracking.

BENEFITS

Specific product features:

- ✓ **Flexible membrane resistant** to thermal expansions and vibrations which reduces the risk of cracking.
- ✓ One-component coating that can be **easily applied by** (low pressure) **spray**.
- ✓ **It restores the waterproof properties of the covering sheets.**
- ✓ It creates a **continuous jointless coating**.
- ✓ **It provides high hiding power** even with thin layers and **excellent adhesion to the substrate**.
- ✓ **It effectively withstands aggressive industrial environments**, UV rays and acid rain.
- ✓ It reduces the production of harmful toxic waste and subsequent disposal problems.
- ✓ Encapsulation is faster and easier to remove, allowing access to structures even while works are still in progress.

AREAS OF APPLICATION

- ✓ Permanent encapsulation - exposed or confined - of sheets and flat and corrugated roof coverings containing asbestos fibres and subject to deterioration.
- ✓ Stabilization of asbestos-cement sheets.
- ✓ Flexible and waterproof protective coating for concrete surfaces.



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SUBSTRATES PREPARATION

CLEANING

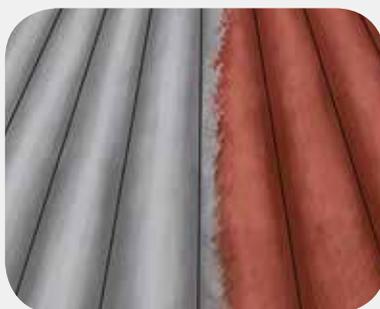
- ▶ If the surface is intact and only partially affected by moulds and vegetation, it must be properly vacuum cleaned using specific equipment, wet cleaned and treated with biocides to avoid releasing fibres in the environment and to allow the recovery of wash water. If the substrates are particularly damaged or covered with moulds and vegetation, it is necessary to inform the competent AUSL office and submit a suitable intervention plan. In any event, cleaning must be carried out with low-pressure water which will be recovered in suitable containers for subsequent sediment disposal. Loose parts and slags must be properly disposed as asbestos waste.
- ▶ Always operate in compliance with the current regulations on asbestos abatement, occupational health and safety and environmental pollution.

PRIMER

- ▶ Apply a coat of **ACRIPRIMER** to impregnate the substrate and incorporate the asbestos fibres by taking care to avoid their releasing in the environment. The primer also promotes the coating adhesion. The encapsulating coating must be applied once the primer is dry (about 30-40 minutes depending on the temperature). **ACRIPRIMER** can be applied by (airless) spray with a consumption of about 100-300 g/m², depending on the absorbency of the substrate.

HOW TO USE

- ▶ After the primer is completely dry, apply **COVERFLEX** on clean and dry surfaces by spray (pressure: 200-210 bar). The product can be diluted with water at 15% to facilitate laying.
- ▶ For **ENCAPSULATING COATINGS OF A AND B TYPE** the coating must be realized in at least two coats of contrasting colours, waiting about 12-24 hours before applying the subsequent coat depending on the environmental conditions.



- ▶ **NON-EXPOSED COATING OF C TYPE** requires only one coat of **COVERFLEX**.
- ▶ The minimum and the average total thickness as provided by current regulations depend on the type of coating (see table).
- ▶ The appearance of the colour used for the first coat due to environmental conditions and wear indicates that the encapsulation treatment needs to be repaired.



REFERENCE LEGISLATION

Ministerial Decree 20 August 1999 - encapsulating cycles of A, B and C type.

Test methods according to UNI 10686 - UNI 8457 - UNI 9174

SAFETY INSTRUCTIONS

- Do not apply the product at temperatures below 5°C or higher than 40°C.
- Do not apply on moist or wet surfaces (UR < 10%).
- Do not apply the product if rainfall is expected in the next 24 hours.
- Comply with the dilution ratios and application cycle dosages specified in the data sheet.

PRODUCT FEATURES

APPEARANCE	Liquid
COLOUR	grey - red (other colours available on request)
CONSISTENCY	Liquid
SPECIFIC GRAVITY	1.25-1.30 kg/l
pH (UNI EN ISO 4316)	7.5
DRY SOLIDS CONTENT	57 - 60.7 %
PACKAGING	20 kg pail - 1000 kg IBC
STORAGE	12 months

APPLICATION DATA - 20°C - 50% R.H.

BROOKFIELD VISCOSITY - SPINDLE RV6 RPM 100 (UNI EN ISO 3219)	cP 7266.5
APPLICATION TEMPERATURE RANGE	+5 ÷ +40°C
MINIMUM FILMING TEMPERATURE	+5°C
FORMATION OF SURFACE SKIN	3 hours
WAITING TIME BETWEEN COATS	12-24 hours
TOTAL CURE TIME	7 days
NOMINAL CONSUMPTION	approx. 1.3 kg/m ² per mm of thickness
CONSUMPTION PER COAT (SPRAY)	300-400 g/m ² (150-200 micron dry thickness)
MINIMUM RECOMMENDED CONSUMPTION	600-650 g/m ² (300 micron dry thickness)

Times can vary depending on the substrate temperature and on the thermo-hygrometric environmental conditions.

The above values are indicative and calculated at a temperature of 20° C and relative humidity of 50%.

PERFORMANCE CHARACTERISTICS

PERFORMANCE CHARACTERISTIC	TEST METHOD	COVERFLEX PERFORMANCE
ADHESION TO THE SUBSTRATE	UNI EN 24624	1.34 MPa
ADHESION AFTER FREEZE-THAW CYCLES	UNI 10686	1.3 MPa
ADHESION AFTER SUN-RAIN CYCLES	UNI 10686	1.32 MPa
RESISTANCE TO ACCELERATED AGEING UVB/ CONDENSATION AND IMPERMEABILITY TO WATER	UNI 10686	No structural or chromatic degradation
IMPERMEABILITY TO WATER	UNI 10686	Positive outcome No trace of moisture on the lower face of the sample
RESISTANCE TO WASHING CYCLES	UNI 10560	> 5000 cycles
RESISTANCE TO FIRE	UNI 8457-UNI 9174	class 1

ITEM SPECIFICATIONS



Creation of a permanent encapsulating covering of type A (external exposed), type B (internal exposed) and type C (non exposed prior to confinement) asbestos-cement materials carried out by applying, through low-pressure airless sprayer, **COVERFLEX** of **Draco Italiana S.p.A.**, a flexible and waterproof membrane based on waterborne acrylic resins. The product shall be applied in two coats of contrasting colours following the application of **ACRIPRIMER**, the consolidating and fixing primer of **Draco Italiana S.p.A.** The product shall be applied according to manufacturer's instructions and precautions.

Legal notice - SLCMP version dated 01.03.2017

In the technical specifications herein, Draco Italiana s.p.a. used the indicators therein specified, with the relevant standards.

Please check if this Sheet and the figures therein contained apply to the product batch you are interested in or if they have been overridden by any later release. If in doubt, check whether this Sheet matches the one applicable at the time of finalising the sales agreement, at www.draco-edilizia.it, and/or contact our Engineering Department.

No advice provided by our staff, either verbally or in writing at your request, about the potential applications of the Products shall be binding under the sales agreement or shall be considered an integral part of the agreement. Such advice is based on our experience and on the best available practical and/or scientific knowledge; as such, it shall not be binding or conditional on the buyer or user. Please try our products first to find out whether they are fit for your intended use or application; in any case, you shall be solely responsible for your choice.