

Maintenance instructions and guarantee

PRECONTRAIT® M2



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General information

Purpose

The purpose of these instructions is to outline:

- maintenance procedures for the PRECONTRAIT® M2 membranes,
- standard inspections,
- cleaning procedures that are not permitted.

Application field

The Précontraint® M2 membranes, designed using the PRECONTRAIT® technology, are subjected to detailed inspections, in adherence with the ISO 9002 quality assurance system. Like all high-performance materials, the PRECONTRAIT® M2 membranes retain their properties if they are maintained in the fashion described in these instructions.

Maintenance conditions for the Précontraint[®] M2 membranes

The composite structure of the PRECONTRAIT[®] M2 membranes (polyester, PVC, surface treatment) makes them extra resistant to climatic and atmospheric damage: wind, sun, rain, micro-organisms, dust and miscellaneous pollution.

Maintenance involves no more than:

- periodical or specific inspections,
- periodical or specific cleaning.

The frequency and the type of these inspections depends essentially on:

- the working position of the textile: in a vertical position, deposits will be less damaging than in a horizontal position;
- the exposure of the textile to climatic precipitation (rain, wind, hail, snow etc) and organic deposits (leaves, pollen, dust etc);
- the type and the intensity of the deposits.

Inspections

Periodical inspections

The periodical inspections consist of visual checks of the membrane with regard to the following problems:

- tears on the edges and inside the panel,
- fur on the welded sections,
- thick deposits on the surface (dead leaves, insects, ash...).

When a problem is discovered, be sure to inform the manufacturer/installer, who will decide what action should be taken.

Specific inspections

The specific inspections are similar to the periodical inspections... the difference being that they are used to assess damage caused by an exceptional accident or incident.

Such damage can be caused by the following events:

- heavy storm with winds at the top end of the zone's recommended scale (or off the end of the scale);
- snow or hail generating weight loads at the top end of the zone's recommended scale (or off the end of the scale);
- accidental impacts of large, sharp or corrosive foreign bodies.

Cleaning procedures

Periodical cleaning

The PRECONTRANT® M2 membranes are particularly resistant to polluting agents for two principal reasons:

- the smooth surface has very few micro-cavities that could hold deposits on a sustainable basis.
- in the case of the FLUOTOP T2 membranes, the PVDF surface treatment forms a protective non-stick coating across the entire surface area of the textile. However, to prevent a sedimentation of the polluting agents, the textile should be cleaned regularly.

The cleaning procedure is as follows:

- Use a soft brush (nylon) or a sponge.
- Wash the textile with a FORMULA S detergent solution (see annex), respecting the following dosages:

Dirt	Concentration	Water temp.
Minor	5 %	20 °C
Medium	10 %	20 °C
Major	10 %	50 °C

- Rinse with fresh, clean water

Specific cleaning operations

Certain deposits can be difficult to remove using the cleaning process described above. Such deposits could be formed by the following substances:

- mineral deposits:
fatty bodies, tar, limestone...
- plant-life deposits:
leaves, pollen, resin...
- animal deposits:
bird droppings, crushed insects...

These deposits can be too much for standard cleaning procedures. They may require the use of other products, which can be damaging to the membrane.

Before proceeding with the use of any such product, it is important to evaluate the necessity of such an action and to call on the services of a professional.

Procedures and cleaning agents not permitted for the Précontraint[®] M2 membranes

The resistance of the PRECONTRAIN[®] M2 membranes to chemical damage depends on numerous factors such as:

- the state of the chemical agents (solid, liquid or gas),
- temperature,
- concentration,
- length of contact.

In certain cases, a mix of agents can have a damaging impact, whereas the chemical agents may be inoffensive on their own.

In view of this:

The following cleaning procedures are not permitted under any circumstances:

- abrasives of any type:
powders, pastes, liquids, abrasive sponges etc...
- pressurised steam raising units
- Non high-pressure water boilers

The following organic chemical products:

acetone, petrol, benzene, fuel oil, kerosine, perchlorethylene, turpentine, toluol, trichloroethane, oil, THF, ethyl acetate, hydrogen peroxide.

The following inorganic chemical products:

ammonia, nitric acid, sulphuric acid, acetic acid, hydrochloric acid, soda, caustic soda, bleach...



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Annexe

FORMULA S

Detergent

METHOD OF USE

Manual :

- concentration: up to 10%
- temperature: 20 to 50°C

Machine :

- concentration: up to 5%

DESCRIPTION

Slightly alkaline product without soda or potash. Hypoallergenic formula.

Wearing of gloves recommended in the event of intensive use.

RECOMMANDATION FOR USE

Wash with water and dry if product comes into contact with skin.

Can be used manually.

Use of gloves recommended.

Wash the fabric thoroughly after use.

PACKAGING

20 kg - ref. 0101

220 kg - ref. 0102

STORAGE

Do not store below freezing point.

MADE IN FRANCE

Biodegradable: more than 90%. Bio-accumulation in the ground or in the atmosphere.