

# RECOMMENDATIONS OF STORAGE AND MAINTENANCE

## Recommendations of storage and maintenance

Plastic Materials are subjected during their service life to changes which could affect their physical properties. Even the reinforcement materials, both textile and steel ones, could be affected by different factors, not least an inadequate storage. The following recommendations contain some guidelines to minimize or prevent the deterioration of the stored products.

**Storage duration:** storage times should be reduced to a minimum through a scheduled rotation system.

Where a long storage time cannot be avoided, it should be suggested a thorough inspection of the hose before its actual use. The entry into the service of unconnected hoses (see the date stated on the hose marking) should take place within two years whereas a year should be advisable for assemblies.

**Temperature and humidity:** the ideal temperature for an appropriate storage ranges from 10°C and 25°C. Hoses should not be exposed at temperatures exceeding 40°C or under 0°C. In case of temperatures inferior to -15°C we recommend to take some precautions when handling the hoses: they should not be stored neither near heat sources nor in the presence of high or low humidity levels (they should not exceed 65%).

**Light exposure:** we recommend to store the hoses in rather unlit spaces, especially avoiding direct sunlight or intense illumination sources. In presence of windows, a solar shielding is recommended.

**Contact with other materials:** hoses must not come into contact with solvents, fuels, oils, grease, volatile chemical substances, acids, disinfectants and organic liquids in general. La materie plastiche sono per loro natura soggette a subire nel tempo una variazione delle caratteristiche fisico prestazionali. Questi cambiamenti, che avvengono normalmente nel tempo a seconda del materiale, possono essere accelerati da singoli fattori o da una combinazione degli stessi. Anche i materiali di rinforzo, siano essi di natura tessile o in acciaio, possono essere condizionati negativamente da uno stoccaggio inadeguato. Le seguenti prescrizioni riportano una serie di accorgimenti da adottare, al fine di ridurre il più possibile il deterioramento dei prodotti stoccati.



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**Storage and cleaning conditions:** Hoses must be stored without stress, elongations, compressions, extreme deformations and avoiding any contact with sharp or cutting objects. A proper storage on adequate shelves or on a dry floor /ground is recommended. Packaged rolled hoses must be stored horizontally, not piled up. If it is not possible, the height of the pile should be appropriate, to avoid permanent deformations of the hoses placed on the lowest bottom. During storage operations, the internal diameter of the coil must be adequate, in order to keep the mechanical properties of the hose and it must not be inferior to the rate stated by the manufacturer. It's a good rule anywhere, not to hang the hoses on hooks and to store horizontally those hoses which are delivered straight, to avoid any bending. In case of assemblies, it is recommended to place the hoses carefully. The hoses must be protected from rodents

In addition to a correct storage and handling, a regular cleaning is equally important, to avoid any pollution of the transported media, which may damage the devices connected to the hose. It is recommended to close carefully both edges of the hose, to prevent the possible entry of foreign bodies.

You should use specific cleaning solutions and we recommend not to use neither solvents (petroleum or paraffin, etc.) nor abrasive, sharp or cutting tools (wire brushes, sandpaper, etc.). For further details contact our offices.

**Handling:** hoses must be moved carefully, avoiding collisions, dragging on abrasive surfaces and compressions. If bent or coiled, they must be pulled gently. Heavy-weight hoses, which are usually delivered straight, must be transported on special supports.

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