

SPECIAL DETAILS

SAFETY HINTS FOR THE USE OF ONSHORE BITUMENFLEX HOSE

The application of BITUMENFLEX hose at high temperature is highly dangerous.

Therefore, we supply you some safety hints for the use of ONSHORE BITUMENFLEX hose, these hints must be included in the normal safety procedures for the use of hose assemblies for conveying hot bitumen:

- **Safety Procedures.**
We recommend that appropriate procedures are available for the use of bitumen hose assemblies.
- **Use over 175°C?**
BITUMENFLEX hoses are **NOT** designed for use over +175°C. This temperature must be intended as maximum working temperature.
- **Handling.**
BITUMENFLEX hoses must not be handled by lifting them up or hooking directly from the couplings. We suggest, as expected for hose assemblies that convey oil, fuel and similar products, that they are bent in the middle of the hose. At high temperature the rubber hose gets soft and must be bent with larger bending radius with respect to the standard one for the same hose.
- **Do not close hose assemblies while they are hot!**
Hose assemblies are not to be closed/sealed while still hot. This operation must be done when the hose assemblies are at room temperature.
- **Hints for cleaning.**
The couplings and ONSHORE BITUMENFLEX hoses must **NOT** absolutely be cleaned using blowlamps or flames in general for the warming up of the cooled bitumen. If you always empty the hose line in a correct way, when the bitumen is still hot, it is not necessary to clean the hose in order to re-use the assemblies later. Should the cleaning of the hose assemblies be necessary, when everything is still hot, diesel and a suitable brush can be used: this procedure is efficient but more time-consuming when the bitumen is cold.
- **Safety check.**
Particular attention must be paid to the visual checks before and after use, with specific caution for the couplings: they must be intact and they must not show abnormal signs. The cover must not show abrasions/tears and textile reinforcements must not be visible. Crushed hoses or with big ovalizations must not be used.
We suggest that checks must be done only by specialized staff. Hose assemblies must be tested with a hydraulic system at a room temperature at least every six months.
Each possible defect must be registered and reported to the person in charge of the loading and unloading operation.