

INFORMATION 5 DESTROYED SEALS



DESTROYED SEALS

Unfortunately there are lots of complaints concerning pipe connections and their assembly caused by combination of wrong components. There is a high probability that wrong and inappropriate lubricants are applied to the seals and surfaces of the material. The pipe connection itself is a self-contained system and of great importance to the pipe line and this should be taken into consideration. Using lubricants that were not subject to our tests may change this system and cause the loss of decisive properties. For this reason, DS Dichtungstechnik GmbH would like to inform you of a few important developments:

To achieve a tight pipe connection not only the appropriate joint and seal are necessary. The appropriate aids for the assembly are also of great importance. At present lubricants with a high proportion of hydrocarbon combinations are on the market. These hydrocarbon combinations cause considerable swelling of the seal and are not biodegradable and are harmful to the environment. On the basis of the enormous increase in volume by almost 50% the seal is destroyed. The decisive physical specifications of the compression of elastomers such as shore-hardness, tensile strength and ultimate elongation are partially reduced by more than half (see MPA NRW certificate!).

The pipe or manhole connection will be destroyed in 14 days at the latest if a lubricant with a high proportion of hydrocarbon combinations is used. A seal damaged in this way will not meet under any circumstances the requirements to be kept of DIN EN 681-1 for seals made of elastomers and the specifications of DIN EN 1916 with regard to the durability of a pipe connection.

The destroyed seal cannot ensure sealing at all. The canal system will leak as a result of that. The pipes have to be cleaned up or new pipes laid.

The lubricant developed and offered by DS Dichtungstechnik is the result of many years of research and experience in practice. Due to a special combination the DS lubricant meets exactly the requirements of laying concrete and reinforced concrete pipes. In addition to the advantage of optimal slipping during the installation, the lubricant is biodegradable. As required in DIN EN 681-1 point 4.1.1., it has no influence on the durability of the seal.

Please understand that we will only guarantee for our seal material if the seals are used with DS lubricant.

DS Dichtungstechnik