



GREMMLER®

BAUCHEMIE



INFORMATION FOR BALLAST BONDING TECHNIQUE

HIGHLY EFFICIENT AND HARMLESS TO THE ENVIRONMENT THE EPOXY RESIN SYSTEM GREBOPOX®

Since many years, Gremmler Bauchemie GmbH with its headquarters in Hünxe is manufacturer of the epoxy resin system GREBOPOX®, which was developed especially for ballast bonding. Terra System, company for track construction and stabilization – which has an exclusive cooperation with Gremmler Bauchemie GmbH, works only with this system. Its splendid characteristics and the fact of doing no harm to the environment have been confirmed repeatedly by comprehensive tests conducted by neutral authorities. Our resin GREBOPOX® is certified from the German EBA-institute (Eisenbahnbundesamt) for the use on the tracks of the deutsche Bundesbahn. Since nearly 20 years, our system GREBOPOX® has been used successfully for national- and international track construction.

FAVOURABLE PROCESSING CHARACTERISTICS

In contrast to ballast bonding systems based on 2 component polyurethane resin, our GREBOPOX® ballast bonding material is especially developed for outside jobsites. That means, GREBOPOX® is less sensitive to humidity and can be used as well on wet ballast surface as during slight raining (drizzle). Warmed up it can be processed starting at an air temperature of 2°C. The special equipment of Terra System allows to

warm up the resin to a temperature of approx. 25–40 °C. With this condition, our ballast bonding system applied on ballast surfaces spreads equally, thus bonding even down to a depth of approximately 30 cm (depending on the size of ballast) is possible. Another advantage are the pot life of around 30 minutes by 23 °C.

OPERATION AREAS

GREBOPOX® ballast bonding resin has been successfully used for the stabilization of ballast in the following operation areas:

- Protection against flying ballast chippings
- Stabilization of transition areas between ballasted track and slab track
- Increase of lateral resistance of track
- Stabilization of ballast shoulder during soil excavation at neighbored track
- Economical cleaning of ballast surface (for example in train stations)

ADDITIONAL BENEFITS

Walking on with GREBOPOX® bonded ballast surfaces is safe. Due to point-bonding, draining capability of ballast is fully maintained and the risk of washing out by heavy rainfalls or the use of high pressure cleaner, is prevented.

