



Technology
for Pipelines
Corrosion Prevention



DENSOLID[®]

High Performance Polyurethane
Coatings for Corrosion Prevention



www.denso.de

DENSOLID® BLZ

DENSOLID BLZ-System is an impact, tensile and weather resistant brushable two component polyurethane coating. The applied coating fulfills the requirements of EN 10290, class B, type 3. The field application by brush is fast and simple. To facilitate simple two-step application, DENSOLID BLZ is available in two colours (black and grey).



In the particularly stressed air-to-ground transition of steel pipes, DENSOLID BLZ is used as impact and weather resistant protective corrosion prevention coating. To maintain a minimum coating thickness of 2.5mm an application in three steps (black - grey - black) is recommended.



DENSOLID® FK2-C

DENSOLID FK2-C is a two component polyurethane coating according to DIN 36071 (class S), DIN 30677-2 and EN 10290, class B, type 3. FK2-C can easily be applied by brush or spatula. The cured coating withstands high corrosive and mechanical stresses up to +80°C. To facilitate simple two-step application, DENSOLID FK2-C is available in two colors (black and grey). The application from a two chamber cartridge is fast and economic.

DENSOLID FK2-C is used as highly resistant corrosion protective coating, which is particularly suitable for the field coating of irregularly shaped installations like valves and fittings. In addition, DENSOLID FK2-C is used as a repair compound for defects in corrosion protective coatings (e.g. valve factory coatings from polyurethane or epoxy).

DENSOLID® FK2

DENSOLID FK2 is a two component airless hot spray applied corrosion protective coating according to DIN 30671 (class S), DIN 30677-2 and EN 10290, class B, type 3. DENSOLID FK2 is a tar free polyurethane and withstands highest corrosive and mechanical stresses up to +80°C. Outstanding property of DENSOLID FK2 is its extremely low cathodic disbonding.

DENSOLID FK2 is used as high performing corrosion protective coating on buried pipes, bends, tanks, valves and fittings. Application by airless-hot spray equipment can either be carried out in the factory or on site. The rapid curing of DENSOLID FK2 allows a fast construction progress.





DENSOLID® FK2-C repair bulk

DENSOLID FK2-C repair bulk is a two-component, fast curing polyurethane compound for void filling and for repair of defects in corrosion protective coatings. The cartridge packing allows a cost efficient application. The cured coating is electrically insulating and highly resistant to mechanical stresses. Due to their excellent lap shear resistance and their alignment with the line pipe coating, repairs from FK2-C are highly resistant to shear forces in trenchless pipe laying or during trench backfilling.

DENSOLID FK2-C is easy to apply and of versatile use in repair of defects in corrosion protective coatings from e.g. PE, PP, EP or PUR. DENSOLID FK2-C has been developed for use in combination with all DENSOLID-coatings. As filler compound, DENSOLID FK2-C allows to even surface irregularities and voids.



DENSOLID TLC is a polyurethane based corrosion protection coating system. As field joint coating, DENSOLID TLC is characterised by outstanding high abrasion and shear resistance. The system shows low cathodic disbonding values and an excellent resistance to undermining corrosion.

DENSOLID TLC is used as field joint coating on steel pipes laid by thrustboring, pipejacking or linear microtunneling. The fast curing allows short cycles in pipe laying.

DENSOLID® TLC



DENSOLID® HDD

DENSOLID HDD is a two component polyurethane corrosion prevention coating. DENSOLID HDD complies with EN 10290 (class B, type 3) and can be used for operating temperatures up to +80 °C. Field joint coatings from DENSOLID HDD show an outstanding mechanical resistance, high lap shear strength and ensure an excellent corrosion protection.

DENSOLID HDD is used for the corrosion protective coating of welded joints on steel pipes layed by horizontal directional drilling.

DENSOLID® HK7, HK7-W

Mechanical protection for welded joints of double wall plastic pipes, especially for trenchless construction and relining. DENSOLID HK7 / HK7-W replaces the protective PP-wall in the cutback area and forms an even and smooth exterior pipe surface without any point of attack for shear forces.

DENSOLID HK7 / HK7-W are rapidly curing, highly mechanically resistant two component polyurethane compounds. They form abrasion resistant non-brittle coatings. The mixed compounds are stable in thick layers and do not drip. The ready to use sets allow a simple, fast and safe application.



DENSOLID® supplementary products

DENSOMIX



DENSOMIX 50

Manual discharging devices for two-chamber cartridges.

For the application of DENSOLID FK2-C repair bulk.



DENSOMIX 400 M

Manual discharging devices for two-chamber cartridges.

For the application of DENSOLID FK2-C and DENSOLID HDD.



DENSOMIX 400 P

Pneumatic discharging devices for two-chamber cartridges.

For the application of DENSOLID FK2-C and DENSOLID HDD.



DENSOLID® RAKEL

45 cm wide plate from polyethylene.

Tool for application of DENSOLID TLC.

DENSOCLEAN S

Solvent for cleaning of two component hot spray equipment and for cleaning of application tools.

DENSOLAN ES



Highly tear resistant polyester reinforcing mesh.

For use in combination with DENSOLID TLC, DENSOLID HK7 and DENSOLID HK7-W.

