



Hydraflex 300

2-Component Sealing Compound on Polysulphide Basis

Description

Hydraflex 300 is a solvent-free sparyable and scrap able two-component sealing and leak-proofing material on the basis of polysulphides. The hardened substance provides a non-rigid and highly elastic sealing, which avoids damage due to extensive tensile stress on the joint borders in case of movement.

Hydraflex 300 is non-ageing, resistant to atmospheric influence, waterproofing, resistant to oil and fuel as well as to UV-radiation. Hydraflex 300 serves as a sealing material for expansion and construction joints in the field of civil engineering and bridge construction. Adheres very well to concrete, plaster, bricks, natural stone, asbestos cement, glass, ceramics, iron, aluminium, non-ferrous metal, V 2 A-steel, numerous plastics, varnished wood and other building materials.

Standard

B.S. 6920: 1988 (gun grade)

U.S.Federal Specification TT-S-00227E
Nov -69; amended 1970

A.S.T.M. C 920-87: Type M, Grade NS,
Class 25

Instruction for Use

- Specific fields of application: expansion joints between pre-fabricated concrete parts, facing, concrete constructions; construction and expansion joints in concrete floors; connection joints between frame material and construction; sealing of panels, etc.
- The joint borders must be clean, dry, free from oil and fat, and the surface must be sufficiently solid. Loose parts (residual mortar, cement grout etc.) have to be removed mechanically (use steel brush, grinding wheel, compressed air). Damaged joint borders or other damaged spots have to be repaired with Hydrapox 112 . To consolidate the surface and increase the adhesion, the concrete, bricks and asbestos cement as well as all other porous surfaces have to be primed with Hydraflex 300 primer. Smooth surfaces such as metal, glass, normal building plastics, etc. must be primed with Hydraflex 300 primer. Aluminium, copper and V2 A-steel need not be primed, but they must be made completely free from fat and other contaminations. For best results, consult ACT Technical Services. All concrete joints which are immersed in water later on or which are permanently exposed to water or moisture of any kind have to be primed with Hydraflex 300 primer. Before the sealing material is placed, the prime coat must be sufficiently dry. Drying takes approx 30-40 minutes in hot climates. Deeper joints must be back-filled with oil and bitumen-free fillers. In joints up to 10 mm wide, the depth of the joints should correspond to the width of the joint.

- After placing, smooth the surface with a wet knife or spatula. It is recommended that an adhesive tape is placed on both sides of the joint borders to ensure a clear joint. Remove tape immediately after smoothening.
- Hydrflex 300 is supplied as a 2-component material ready for mixing. Pour the contents of the smaller container into that of the bigger container and mix thoroughly with a slow-rotating (600 rpm) electric drilling machine equipped with a suitable paddle. The pouring grade may, after mixing, be poured directly into the joint or applied with a spray gun. Hydrflex 300 primer is a one-component chemically active clear liquid which is best applied with a brush. One thin coat only should be applied. Do not over prime. Ensure that primer is applied when tack-free, meaning after solvent has evaporated but before the primer film has reacted. Primer should be applied about 2-5 minutes before sealant is applied. If more than 2 hours have lapsed between priming and application of sealant, re-priming must be done.

Characteristics

Elongation :	25 %
Color :	Grey
Setting Time :	1.30 Hr.
Density :	1.5 kg./L.

Packing

2.5 L./Set

Precaution

Hydrflex 300 is harmful if swallowed. Avoid skin contact. Protect eyes. If material gets into the eye, rinse with plenty clean water without rubbing and contact eye-doctor immediately. Primer is a highly flammable liquid with a flash-point of +10 °C. Store away from heat. Avoid using near a naked flame. Avoid skin-contact and protect eyes. Ensure that empty containers are disposed of in a safe way after finishing work.

Storage

Hydrflex 300 must be stored in air tight containers. Keep away from heat and from naked flames.

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