BANDFLEX HE

TECHNICAL DATA SHEET

DESCRIPTION

DRYLEX EJ SYSTEM joint sealing system consists of two products DRYLEX BANDFLEX HE and DRYLEX EP epoxy. DRYLEX BANDFLEX HE is a highly elastic, root-proof and chemically resistant sealing membrane. DRYLEX EP is a two part epoxy compound which establishes a strong bond to various types of substrate.

USES

Sealing of construction joints, expansion joints, connecting joints, cracks and crevices, etc.
Adheres to many types of substrate such as concrete, mortar, plaster work, steel iron, aluminum, stoneware, glass and epoxy.
Typical uses are for concrete tanks, cast and cement-pipe connections, bridge decks, tunnels, water towers and reservoirs, ponds, silos, containers, secondary tanks.
DRYLEX BANDFLEX HE can be applied on dry or slightly humid substrates.
It is ideal for joints with very large expansion or irregular, broken joint flanks.

ADVANTAGES

- Durable
- Long lasting elasticity, even at high temperatures
- Root resistant
- Resistant to a wide range of chemicals
- Cost effective
- Approved for use with potable water
- Easy to apply
- User friendly heat welding of tape overlaps
- Can be applied horizontally, vertically and even overhead.
- Accommodates continuous and pronounced cyclic movement
- Excellent resistance to weathering
- Waterproof and chemical resistant for joints above and below ground
- Heat weldable connection

PROPERTIES

Form	Elastomeric Strips
Colour	Dark Grey
Density	1.7 approximate
Tensile Strength	7.0 N/mm²
Elongation at break	1000%
Adhesion to concrete	tensile strength of substrate

Application instructions

Joint preparation

Expansion joints must be packed with a frm, consolidated joint fller prior to laying the DRYLEX BAND FLEX HE. If necessary joints may be pre-sealed using a bituminous or elastomeric sealant. Ensure that any sealant used is capable of accommodating the anticipated joint movement. Where DRYLEX BANDFLEX HE has to be turned up parapets and the like, a splay should be provided so that the change in direction is smooth and progressive.

Surface preparation

Concrete surfaces onto which the DRYLEX BANDFLEX HE is to be laid must be sound, frost and dust free. New concrete must be fullycured and free from curing compound. The concrete surfaceideally should be wood float finished for the width of DRYLEX BANDFLEX HE and free from irregularities, with well deigned arrises and no vertical misalignment between each side of the joint. Prepare a

by agel chemicals
Torgauer Str. 231, 04347 Leipzig, GERMANY
www.agelchemicals.de - info@agelchemicals.de

suitable width of substrate slightly wider than the membrane width selected. Sharp arrises should be ground down pencil round. Remove all dirt, dust and laitance by rigorous wire brushing needle gun, abrasive blasting or grinding. Any spalling or honeycombing must be repaired prior to the application of the DRYLEX EJ SYSTEM . Should the substrate be wet, dry gently with a gas torch or hot air blower. Dampness should not re-appear within 15 minutes for the substrate to be considered as being dry enough for the application of the DRYLEX EP. Masking tape should be applied over the sealant in the joint and, if required, on both arrises to provide an increased unbonded width and greater movement potential if required , on both arrises to provide an increased unbonded width and greater movement potential if required.

Preparation of the membrane

This operation is vital to the adhesion and performance of the DRYLEX BANDFLEX HE system. Measure and cut the length of DRYLEX BANDFLEX HE to suit the joint. The DRYLEX BANDFLEX HE membrane must be prepared by thoroughly wiping both faces with Solvent and a clean cloth. DO NOT use excessive quantities of solvent. Allow 1 hour to dry before placing.

Mixing and application of the adhesive

Transfer the entire contents of Part B of DRYLEX EP adhesive into the Part A container and mix thoroughly using a slow speed drill and Fosroc sealant mixing paddle for 4 minutes, stopping to scrape down the sides of the container. When mixed, the adhesive should be a uniform grey colour. Use masking tape at extremities and along centre line of joint. Apply mixed DRYLEX EP using a serrated spreader. Following application, remove central masking tape, together with any additional tape applied to arrises (as described in Surface Preparation). Immediately position membrane into the DRYLEX EP with central release film uppermost. Roll firmly to displace trapped air and to ensure extrusion of DRYLEX EP through the edge perforations. Apply a second layer of DRYLEX EP to the full width of the top surface of membrane. Remove central release film from membrane. Finally remove outer edge masking tapes and feather-edge the DRYLEX EP.

Jointing

The surfaces to be jointed must be clean and wiped with Solvent prior to jointing. For heat welded joints, a 50 mm overlap should be used. Welding is carried out using a proprietary hot air welding tool. The tool should be set to the correct heat output by trial to achieve a satisfactory weld. The faces of the overlap are heated by moving the welding tool along the joint and, simultaneously, pressure should be applied by roller to the heated overlap to ensure that the faces are fused together.

PACKING

1 mm * 100 mm	1,5 mm * 100 mm	1 mm * 150 mm	1,5 mm * 150 mm
1 mm * 200 mm	1,5 mm * 200 mm	1 mm * 250 mm	1,5 mm * 250 mm

Storage

DRYLEX BANDFLEX HE should be stored in original unopened packaging, in cool dry conditions, away from sunlight.

Limitations

Joint layouts incorporating DRYLEX BANDFLEX HE should be kept as simple as possible to allow for site joints to be restricted to straight butt joints. Avoid complex changes of angle or ske giving rise to difficulty in jointing and installation.

by agel chemicals
Torgauer Str. 231, 04347 Leipzig, GERMANY
www.agelchemicals.de - info@agelchemicals.de