

FlexProof 305 ActiveJoint

Movement Joint Profile

INTRODUCTION

[FlexProof 305 ActiveJoint](#) is an EDPM, movement joint profile which is used in conjunction with [FlexProof 106](#) to waterproof movement joints where risk of damage to the FlexProof 106 due to mechanical wear is expected.

The innovative design of the profile has ribs to the edge surfaces that act as barbs to grip the substrate either side of the joint. The profile also compresses when driven in to the joint which results in the profile expanding to ensure a tight fit. The combination of the expansion and the barbs provides a very tight seal to the movement joint.

FlexProof 305 ActiveJoint is suitable to be used within joints of up to 45 mm width, and will resist movement of +/- 20% horizontally and 10% vertical shear.

KEY BENEFITS

- UV resistant
- Outstanding low temperature flexibility
- High abrasion resistance
- Enhances the watertightness of the FlexProof 106 movement joint
- Resistant to alkalies and acids
- Quick and simple to install

TYPICAL APPLICATIONS

Enhancing the performance of movement joints waterproofed with FlexProof 106 to provide improved durability to chemical and mechanical wearing agents and protection against UV.

SIZING OF FLEXPROOF 305 ACTIVEJOINT

FlexProof 305 ActiveJoint is available in three sizes. The correctly sized profile must be used for the width of the joint:

- 305 ActiveJoint 20/26 - 36 mm wide x 35 mm high
Use with joints of 20mm to 26mm
- 305 ActiveJoint 27/36 - 46 mm wide x 45 mm high
Use with joints of 27 mm to 36 mm
- 305 ActiveJoint 37/45 - 56mm wide x 55 mm high
Use with Joint of 37 mm to 45 mm

COLOUR

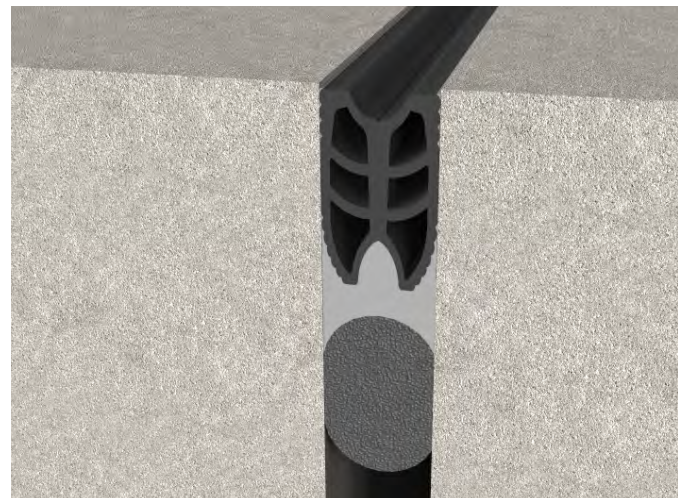
Black.

SUITABLE SUBSTRATE

- Concrete
- Screed

SPECIALIST TOOLS REQUIRED

Corners are mitred and so a mitre cutting tool is required.



METHOD OF INSTALLATION

FlexProof 305 ActiveJoint is inserted into the joint, above the installation of FlexProof 106, using a hammer and blunt chisel. FlexProof 106 is used as both a lubricant, to assist in application and an adhesive to bond the profile to the sides of the joint.

CONSUMPTION

80 ml FlexProof 106 is required for each metre of FlexProof ActiveJoint.

TRAINING & COMPETENCY OF USER

FlexProof 305 ActiveJoint should be used by those with an understanding of the requirement to waterproof movement joints and the knowledge and training to use the product as part of a coordinated approach to the waterproofing specification, which in many cases will require further waterproofing products.

ANCILLARY PRODUCTS

- FlexProof 106 - Single component, waterproofing compound for the sealing and waterproofing of movement joints
- [FlexProof 106 Primer](#) - Primer for use with FlexProof 106

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TECHNICAL DATA

Features	Result	Units
Material	EDPM	
Colour	Black	
Profile	36 x 35 46 x 45 56 x 55	mm
Coil length	5.8 5.8 10	Metres
Shelf life	Unlimited shelf life	
Application temperature	+1 to +35	°C
Service temperature	-30 to +60	°C

LIFE EXPECTANCY

FlexProof 305 ActiveJoint is very resistant to mechanical and chemical wear. However, it is impossible to accurately determine the life expectancy as this is dependent on the type, frequency and aggressiveness of the wearing agents. We suggest the O&M manual requests inspection at appropriate intervals. Please speak with the installing contractor or our Technical Team for advice.

SPECIFICATION

Newton Waterproofing Systems work in partnership with RIBA NBS who publish our products on [NBS Source](#). The platform integrates seamlessly into project workflows, providing all product data from Newton's NBS BIM Objects, NBS Plus Clauses and RIBA Product Selector into one single source of product information.

NBS Source also hosts a large selection of Newton [case studies](#), as well as product [literature and certifications](#).

A wide range of drawings are available [on our website](#).

CUTTING & JOINTING

- Select the correctly sized profile to suit the joint width (please see bottom of page one for the correct sizing of the profile relative to the joint)
- Measure the length of the joint to be waterproofed and lay-out the correct length of FlexProof 305 ActiveJoint adjacent to the joint ready for mitring and jointing
- Use a mitre tool to cut the profile as required to follow the joint. Joints can either be glued with standard superglue or with Newton 106 FlexProof
- If glued, apply the glue to both sides of the profile joint in a thin layer. Leave for about 20 seconds and then place the two ends together and hold in place for about 60 seconds. Carefully place the joint onto the working surface and leave for 5 minutes prior to insertion of the profile in to the movement joint. The last joint of a ring or circuit should be glued when the profile is in place



INSTALLATION

- Install Newton FoamStop and FlexProof 106 as instructed within the FlexProof 106 Data Sheet, except that the FoamStop and the FlexProof should be lowered to take into account the size of the 305 ActiveJoint profile
- Coat the sides of the joint with a 1 mm film of FlexProof 106. The FlexProof 106 acts as a lubricant during installation and also as an adhesive to further secure the profile
- Squeeze the FlexProof 305 ActiveJoint into the movement joint
- Use a hammer and blunt chisel and hammer the profile into the movement joint until the top of the profile is about 4 mm below the top of the joint or level with the bottom of the chamfer if one was made
- If not glued as explained above, apply a thick film of FlexProof 106 to the joints of the profile as each length of profile is fitted into the joint
- When the ring or circuit is nearly complete, keep out one end of the profile and re-cut until the ends perfectly meet. Glue as above but carefully insert the last end immediately so that the glued joint cures when in place within the joint
- Carefully clean the profile with a damp cloth to remove excess FlexProof 106

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LIMITATIONS

- Do not install at temperatures lower than +1°C or higher than +35°C
- Do not install to wet substrate or when raining

STORAGE

Store inside and in dry conditions.

If these conditions are maintained the product has an unlimited shelf life.

HEALTH & SAFETY

Product should only be used as directed. The Safety Data Sheet (SDS) should be carefully read prior to application of the material.

The SDS is available upon request from Newton Waterproofing or online via our web site. Please see contact details below.

Use appropriate PPE for the environment the system is installed within. Use products only as stated within this Data Sheet and SDS.

Any specification/advice provided is only valid if used with products supplied by John Newton and Company Ltd (trading as Newton Waterproofing Systems). Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our [website](#) for the latest versions.