

HydroCoat Monoflex Adhesive

Adhesive for HydroCoat Monoflex Joint Sealing

Revision: 3.0 - 27 May 2026
Code: HS-MFA

INTRODUCTION

Newton HydroCoat Monoflex Adhesive is a two-component, solvent-free epoxy adhesive used primarily as the bonding agent within the HydroCoat Monoflex joint sealing system for sealing construction joints, movement joints and cracks in below-ground and water-retaining structures. It can also be used for repair and anchoring applications.

HydroCoat Monoflex Adhesive is a two-component system that is easy to mix and apply on site. It requires no primer, and achieves high bond strength to a wide range of common building substrates, including under damp conditions.

KEY BENEFITS

- Easy to use and apply
- No primer required
- Excellent adhesion concrete and steel
- Bonds to damp concrete
- Solvent free and low odour
- Waterproof
- Gains mechanical strength rapidly

TYPICAL APPLICATIONS

Primarily used as the adhesive component within the HydroCoat Monoflex system for sealing construction joints, movement joints, pipe penetrations and cracks in below-ground and water-retaining structures. Also suitable for:

- Fixing reinforcement bars and threaded rods into concrete
- Concrete crack repair, sealing and injection
- Bonding of dilation tapes (FPO, TPO, TPE)
- Structural concrete repairs
- Assembly and bonding of metal components to concrete or steel

PURCHASE CODES

Product	Purchase Code
• HydroCoat Monoflex Adhesive - 5 kg	HS-MFA
• HydroCoat Monoflex - 100mm	HS-MF-100
• HydroCoat Monoflex - 200mm	HS-MF-200

PACKAGING

Newton HydroCoat Monoflex Adhesive is supplied in two containers, Component A - 3.75 kg and component B - 1.25 kg, with a combined weight of 5 kg.

COLOUR

Grey

APPLICATION TOOLS

Application of HydroCoat Monoflex Adhesive is best achieved using a spatula, trowel, serrated trowel or a stiff bristled brush, depending on the area to be treated.

SPECIFICATION

Newton Waterproofing Systems work in partnership with RIBA NBS and [NBS Source](#), which integrates 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](#).

TRAINING AND COMPETENCY OF THE USER

HydroCoat Monoflex Adhesive should be installed by those with an understanding of the requirement to waterproof retained structures and the knowledge and training to use the product as part of a coordinated approach to the waterproofing of the structure, which in many cases will require further products so as to achieve the required habitable grade as defined by BS 8102:2022.

[Newton Specialist Contractors \(NSBCs\)](#) are trained by Newton Waterproofing Systems in the correct specification and installation of Newton waterproofing products and will provide the client with a meaningful insurance backed guarantee for the waterproofing.

APPLICATION TEMPERATURE

After correctly controlled storage, conditioning and mixing, as laid out below, the application temperature range is between 3°C and 30°C.

SURFACE PREPARATION

- Concrete substrates should be sound, clean and free from dust, dirt, grease, oils, laitance and other contaminants. A roughened or profiled surface will ensure optimum adhesion
- Mild steel and other metallic substrates should be degreased, power wire brushed or grit blasted and free of dust
- Other substrates should be sound, clean and free from dust, dirt, grease, oil and any oxidised surface layers

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TECHNICAL DATA

Features	Result	Units
Form – Two components	Liquid epoxy adhesive	
Colour	Grey	
Specific gravity	1.7	g/cm ³
Pack size - Two components (A+B)	3.75 + 1.25 = 5	kg
Shelf life	12	months
Pot life @ 20°C	30	minutes
Application temperature range	3 to 30	°C
Curing time @ 20°C*	10 to 24	hours
Cured Performance	Result	Units
Compressive strength	75.0	N/mm ²
Bonding Strength (Steel)	3.5	N/mm ²
Bonding Strength (Concrete)	3.0	N/mm ²

The above data, even if carried out according to regulated tests are indicative and they may change when specific site conditions vary. *At higher temperatures this period will be reduced, and at lower temperatures this period will be increased. Allow 7 days for the optimum mechanical properties and full chemical resistance to develop.

MIXING

IMPORTANT: Material must be conditioned within temperature controlled storage at min. +10°C for 24 hours before use.

After removal from controlled temperature site storage, agitate Parts A & B with mixer tip drill for three minutes before mixing.

The two components should be mixed for at least 3 minutes with a mixer tip drill at 300 - 400 rpm until a homogeneous mixture is formed.

CONSUMPTION

Usage rate is approximately 1.70 kg/m² for 1mm or adhesive thickness

- If using the 100mm x 1mm Monoflex, 1x 5kg set will allow for 6 linear metres
- If using the 200mm x 1mm Monoflex, 1x 5kg set will allow for 5 linear metres

APPLICATION

For repairs of anchoring, the HydroCoat MonoFlex Adhesive can be applied to the surface with a trowel or spatula. Where holes are drilled these should be thoroughly cleaned with air. Holes to be opened should be 6 mm wider than the reinforcement to be installed. The material can be easily applied with a mortar gun.

For use of the adhesive with HydroCoat Monoflex, please follow the application instructions within the data sheet.

HEALTH AND SAFETY

Wear gloves and goggles. Wash off splashes immediately with soap and water. Use the product only as stated within this Data Sheet and refer to the the Safety Data Sheet for additional information.

STORAGE & SHELF LIFE

HydroCoat Monoflex Adhesive has a shelf life of 12 months when stored in the original, unopened containers without exposure to direct sunlight at minimum +10°C. Ideally store in a dry and cool location between +10°C and +25°C.

LIMITATIONS

- Do not apply to wet or uncured concrete surfaces
- Do not apply at temperatures of 3°C or lower
- Monoflex Adhesive must be mixed with a suitable mixing drill. It should never be mixed by hand or with a trowel
- Working and hardening times of epoxy resin based products depend on the ambient and ground temperature. The most suitable application temperature range is + 10°C + 25°C
- Not suitable for application on wet surfaces
- Under no circumstances, water nor other materials should be added to the mixture
- In all cases, consult the Material Safety Data Sheet before use
- Keep away from open flames; no smoking
- Must be protected against water, rain, and external influences until rain-tight, which will be between 10 and 24 hours, depending on temperature and humidity

Newton Waterproofing Systems reserve the right to update product literature at any time. Please always refer to our [website](#) for the latest versions.