

PRODUCT DETAILS

Product name	Cold Melt® UV top
Product type	UV-stable finish coat for Cold Melt®

PRODUCT DESCRIPTION

Cold Melt® UV Top is a two-part elastomeric pigmented polyurethane sealer applied onto exposed areas of the **Cold Melt®** waterproofing membrane.

Cold Melt® UV Top has been tested in accordance with the requirements of **BS EN 1504-2** as a durable and protective waterproof coating.

APPLICATION

Cold Melt® UV Top is a fully bonded, seamless waterproofing system supplied as a liquid resin and hardener in a range of colours, providing leak protection to:

- Buried decks
- Podiums
- Green roofs
- Protected balconies and terraces
- Blue roof

Cold Melt® UV Top is used on exposed areas of the **Cold Melt®** waterproofing membrane.

INSTALLATION

Substrate Preparation

- In all buried/inverted systems prior to the waterproofing membrane being covered, an electronic leak detection test should be carried out by an independent **Roofing and Waterproofing Test Association (RAWTA)** accredited specialist

Preparation of product

- Pre-proportioned units **must not** be part mixed due to the possibility of proportioning errors
- Mix the resin component before adding the hardener component
- Add hardener, fully submerge mixing paddle, mix on low speed (300-400 rpm) for a minimum **3 minutes**
- Scrape the vessel several times during mixing to achieve a homogeneous mixture

Installation Methods/Tools

- Apply immediately using a squeegee and roller to a coverage rate of **0.75 kg/m²** (BS EN 1504-2)
- Protect cured material from moisture for at least **24 hours**, moisture can cause foaming and blistering
- For heating, use only electric powered systems. Fossil fuel powered heaters emit undesirable amounts of water vapour
- **Resistant to foot traffic** after a period of **24 hours** at a temperature of **20°C**
- **Fully cured** after a period of **7 days** at a temperature of **20°C**

Cleaning of Tools

- Tools and equipment must be cleaned immediately after use with **Pro-Tool Surface Cleaner**

Note: In the production of **Cold Melt® UV Top** slight differences in colour may sometimes be observed between batches due to limitations of the manufacturing process.

Avoid applying products from distinct batches to the same or adjacent areas to prevent noticeable discrepancies in colour. If use of multiple batches is necessary, they should be applied in sections where direct colour comparison is not possible.

For touch-up work, use products set aside from the original batch and apply it using the same techniques as the initial application.

SIZE, FINISH AND COLOUR

Product Code	Diameter (cm)	Height (cm)	Weight (kg)	Colour
CMUVHA05MG	6	20	0.74	Mid Grey (Hardener)
CMUVT10DGH	10	26	1.48	Dark Grey (Hardener)
CMUVT05BL	23	21	4.26	Black
CMUVT10BL	30	23	8.52	Black
CMUVT05DG	23	21	4.26	Dark Grey
CMUVT10DG	30	23	8.52	Dark Grey
CMUVT05GR	23	21	4.26	Green
CMUVT10GR	30	23	8.52	Green
CMUVT05LB	23	21	4.26	Light Blue
CMUVT10LB	30	23	8.52	Light Blue
CMUVT05LG	23	21	4.26	Light Green
CMUVT10LG	30	23	8.52	Light Green
CMUVT05MB	23	21	4.26	Mid Blue
CMUVT10MB	30	23	8.52	Mid Blue
CMUVT05MG	23	21	4.26	Mid Grey
CMUVT10MG	30	23	8.52	Mid Grey
CMUVT05PI	23	21	4.26	Pink
CMUVT10PI	30	23	8.52	Pink
CMUVT05RE	23	21	4.26	Red
CMUVT10RE	30	23	8.52	Red
CMUVT05SR	23	21	4.26	Safety Red
CMUVT10SR	30	23	8.52	Safety Red
CMUVT05YE	23	21	4.26	Safety Yellow
CMUVT10YE	30	23	8.52	Safety Yellow
CMUVT05SA	23	21	4.26	Sahara

Product Code	Diameter (cm)	Height (cm)	Weight (kg)	Colour
CMUVT10SA	30	23	8.52	Sahara
CMUVT05WH	23	21	4.26	White
CMUVT10WH	30	23	8.52	White

SHELF LIFE AND HANDLING

- The shelf life of **Cold Melt® UV Top** is **12 months** when stored off the ground in un-opened packs
- Storage area should be dry, with a temperature between **10°C** and **30°C**, out of direct sunlight, and protected from frost

MATERIAL

A high-solids two-part elastomeric pigmented polyurethane resin.

PACKAGING

5 kg

Hardener	Part A	0.74 kg	in plastic pails
Resin	Part B	4.26 kg	in plastic pails

10 kg

Hardener	Part A	1.48 kg	in plastic pails
Resin	Part B	8.52 kg	in plastic pails

LIMITATIONS OF USE

- For trained professional use only
- The substrate and ambient temperatures should be within **5°C** (min.) to **30°C** (EN 1504-10)
- The substrate must be at least **3°C** above the dew point
- The base should have a relative humidity of no more than **75%** (BS 8203)
- Ambient relative humidity must be no more than **85%**
- Installation should not be carried out if rain is expected

CHEMICAL PROPERTIES, SAFETY GUIDANCE AND DISPOSAL

Please refer to **Cold Melt® UV Top** Material Safety Datasheet ([Resin](#) | [Hardener](#)).

GUARANTEE

Defects arising from lack of maintenance or abnormal use may fall outside of the cover of the Proteus Waterproofing guarantee.

MAINTENANCE

A flat roof should be inspected at least twice yearly; in autumn to ensure it is clear of leaves, dirt and debris, outlets are not blocked, and the roof is free draining; in spring to discover and rectify any damage due to weather. Green, blue, and other specialist roofs should be inspected in accordance with the designer's original inspection plan.

Inspections should include the following elements:

- Examination of ceilings for signs of water penetration or condensation followed by examination of external walls, eaves, and soffits for signs of movement
- The roof should then be inspected for any signs of damage or displacement of the individual layers of construction including, as appropriate, the waterproofing layer, the thermal insulation, the WFRL, the surface protection and flashings
- The location and extent of any build-up of leaves, moss, plants, or debris should be recorded
- The mountings of roof top installations such as safety barriers, fall arrest posts, harness bolts and satellite dishes should be examined to ensure their attachment remains waterproof

Maintenance of a flat roof should involve:

- Removal of all accumulated leaves, dirt, and debris
- Clearance of rainwater outlets, downpipes, and gutters
- Replacement of any surface protection which has been dislodged or removed and cleaning of vents to the underside of a cold roof

Repair / Renewal

Should inspection discover the need for repair or replacement of any part of the roof, the work should be undertaken as soon as possible but only after appraisal of the original roof design and assessment of the need for modification or improvement. Repairs should be undertaken using materials and techniques compatible with the original work and, if still under an original guarantee, by the original installer. If it is decided to renew part or all a flat roof, a full assessment of the design should first be undertaken in accordance with Clauses 4 to 6 of BS 6229. All works of inspection, repair and renewal should be recorded in the owner's building information manual.

GUIDELINES AND STANDARDS

It is the responsibility of the Contractor to thoroughly familiarise themselves with all relevant Codes of Practice and Building Regulations to the works or referred in the specification.

Proteus Waterproofing take no responsibility for misinterpretation or lack of knowledge for third parties.

The works shall be carried out in accordance with the requirements of:

- **BS 6229** Flat roofs with continuously supported flexible waterproof coverings - Code of practice
- **BS 8217** Reinforced bitumen membranes for roofing - Code of practice
- **BS 8000-0** Workmanship on construction sites - Introduction and general principles
- **BS 8000-4** Workmanship on building sites - Code of practice for waterproofing
- **LRWA** [Design Guide for Specifiers](#)
- **S2T** [Safe to Torch](#)
- **GRO** [Code of Best Practice](#)