

Tremco Pabkote

Pabkote products provide a quick and economical means of applying a heavy bitumen protective coating to most building surfaces.

There are two types of Pabkote water-based emulsions (plus a solvent based primer):

Pabkote Type 3, brushable and without fibres.

Pabkote Type 5, brushable with fibres.

Pabkote Emulsions (Type 3 & 5)

- They are water-based, odour free and non-toxic
- Easy to use
- Equipment cleans easily
- Use only water to dilute them, when recommended
- They dry black, flexible and water-insoluble
- When dry and under normal climatic conditions, Pabkote will not flow under heat nor harden at low temperatures
- Available in 4 litre tins, 20 litre pails and 190 litre drums
- Do not allow these Pabkote products in containers to freeze or become excessively hot
- Do not apply these products when the temperature is below 5°C or above 40°C
- Coverage approx. 0.75l/m²

Pabkote Primer

- This is a solvent-based bituminous paint
- Metal surfaces should always be primed with this before Pabkote Emulsions (Type 3 or 5) are applied. Prime at a rate up to 1l to 5m²
- It is solvent based; therefore, apply only to completely dry surfaces
- Thin cautiously with mineral turpentine if necessary
- Clean tools with mineral turpentine
- Available in 20 litre pails

Metal Surfaces:

Typical metal areas for this method of protection or repairs: roofs, guttering and down pipes, shed walls, water tanks, troughs, metal fence posts, garden frames, windmill frames, drums, outdoor machinery, underbodies of cars, trucks, caravans, trailers (Pabkote deadens sound as well as protecting).

Method Of Protection:

1. Remove all traces of grease, dirt, rust and loose material with a wire brush.
2. Paint badly rusted areas with Rust Converter.
3. Paint with Pabkote Primer (using 1l/m²)
4. Apply Pabkote Type 5 using a brush with stiff bristles, (4l/5m²). One coat may be sufficient. If second coat is required, allow 24 hours before applications. The maximum thickness of a single coat must not exceed 1mm.
5. Finish any area exposed to sunlight with Tremco Alumi-cool or Tremco Coolite aluminium paint, or Tremco Tennis Court Paint.

Metal Sheet Repairs:

1. Treat as above carrying out procedures 1, 2 and 3, priming to 75mm out from the area to be repaired.
2. Bridge the gaps or cracks with an open mesh (aluminium by wire or fibreglass cloth) embedded into Pabkote Type 5.
3. Apply several coats of Pabkote Type 5 with brush ensuring full coverage of the mesh.

Bituminous Roofs:

Bituminous roofs may be rejuvenated in this way:

1. Clean the roof, removing all dust, grease and flaking matter.
2. Paint with Pabkote Primer.
3. After 24 hours, brush on a coat of Pabkote Type 5. (Maximum thickness of a single coat must not exceed 1mm).
4. Apply another coat of Pabkote Type 5 after 24 hours is desired. ALLOW AT LEAST 14 DAYS BEFORE PAINTING.
5. To finish and protect the bitumen: Either (i) Paint with light-reflective paint (Tremco Alumi-cool, Coolite or Tennis Court Paint) or (ii) bed fine aggregate into the Pabkote Type 5 while the final coat is still wet. Ensure all areas are well covered.

Bituminous Roof Repairs:

Minor cracks or gaps may be repaired as suggested for metal sheet repairs (above).

Timber:

Timber may be painted with either Pabkote Type 3 or Type 5 to protect it from water (to retard rot, etc). Leave 24 hours between coats. Maximum thickness of a single coat must not exceed 1mm. Old surfaces should be sanded down to provide an even, flat surface.

Typical Uses:

- Protecting end of fence timbers.
- Protecting ends of stacked logs or sawn timber.
- Protecting wooden structures such as tank stands, sheds and kennels, etc. Waterproofing planter boxes.
- Treating fence posts before they are put into the ground.

Horticulture: Pabkote Type 3 may be used to seal pruning cuts and grafts.

Waterproofing Concrete/Masonry

Typical Areas for Waterproofing by this Method
Embankment Walls, Concrete water tanks, Ponds, Concrete Troughs. This method of waterproofing is NOT suitable where hydrostatic pressure exists. If in doubt contact your distributor.

Methods Of Waterproofing:

Pabkote waterproofing can only be used where conditions will allow the emulsion to dry.

1. The surface area should be filled with cement and sand mortar where necessary and made reasonably smooth. Dust and loose particles should be cleaned off.
2. Form a fillet of 3:1 sand/cement at all internal angles.
3. Treat any large cracks, wall corners, coves, etc. as follows: Any large cracks (excluding hair cracks) should be cleaned out then primed with 1:1 mix of Pabkote Type 3 and water. Allow to dry. A body coat of undiluted Pabkote Type 3 should be applied and allowed to go tacky but not dry. While the body coat is tacky the area should be packed with a mix of 1 volume Pabkote Type 3 to 3 volumes of clean, sharp sand. Overfill to allow for shrinkage. Allow to dry. All patches, coves and wall corners should be primed with a mix of 1:1 Pabkote Type 3 and clean cold water. This should be applied to at least 75mm out from the patch, cove or wall corner. Allow to dry. Apply an undiluted coat of Pabkote Type 3 over the primed area and embed a strip of mesh (aluminium flywire or fibreglass cloth) into the bitumen emulsion before it dries. Allow to dry.
4. Using horizontal strokes brush on a heavy coat of Pabkote Type 3, (approx 1mm thick). Allow to dry.
5. If Type 3 was brushed on, apply another coating using vertical strokes. (Maximum thickness of a single coat must not exceed 1mm). Allow to dry.
6. Paint the area with a light reflective finish if it is exposed to sunlight. Suitable Pabco finishes are Alumicool, Coolite, or Tennis Court Paint. ALLOW 14 DAYS BEFORE PAINTING.

Filling Joints And Repairing Cracks In Concrete And Masonry Structures:

For general concrete or masonry crack repairs see the notes at point 3 above.

Filling joints and repairing large cracks in open water tanks:

1. Do not use Pabkote when damp conditions may prevent the emulsion from drying. Prime the joint to a distance of 75mm each side, with Pabkote Type 3:Water (1:1). Allow to dry.
2. Apply a brush coat of undiluted Pabkote Type 3 into the joint section and while wet trowel into a bitumen mastic made of 1 volume Portland Cement, 2 volumes Pabkote Type 3 and 3 volumes clean sharp sand. Finish this flush with the surface and allow to dry.
3. Apply a heavy coat of undiluted Pabkote Type 3 over the treated area and while wet embed an open mesh flywire or fibreglass cloth into the Pabkote ensuring that the mesh is less wide than the wide coat. Allow to dry.
4. Apply further coats of Pabkote Type 3 until the mesh is no longer evident. (Maximum thickness of single coat must not exceed 1mm).
5. The above treatment must be completely dry before the tank is put into service. This may take from 7-14 days depending on atmospheric conditions.

Pabkote Mastic Flooring:

Typical areas for Pabkote Mastic Flooring over Concrete:

Stables, balconies, poultry houses, cowsheds, farm sheds, driveways, pig sties, factories. Pabkote Mastic surfaces for concrete floors gives a number of major benefits.

1. Improves abrasion resistance.
2. Vibration reduction.
3. Damp roofing.
4. Anti-slip surface.

Pabkote has these advantages over other surfaces.

- a) Pabkote is applied cold.
- b) Being water based its easy to apply and tools are easily cleaned.
- c) It is stable in transit and storage.
- d) It adheres to all firm clean surfaces including damp zones.
- e) It is non-flammable and therefore creates no fire hazard.
- f) It is resistant to many animal wastes and acids and is non-toxic.
- g) After it has dried out, it is inert, imparting neither taste nor odour to materials with which it comes in contact.
- h) Its stability enables it to be mixed with cement, sand, aggregate, etc. in preparation of mastic mixes.

Method Of Surfacing:

1. Clean the concrete floor of all dirt, dust, grease or oils. Grease and oils should be removed with ether detergent or caustic soda solution, then thoroughly washed with water.
2. Remove any sharp projections but do not make the floor slippery. Rough up any slippery areas.
3. Allow the floor to dry by natural means or by applying heat.
4. Mix a priming coat of Pabkote Type 3 and clean cold water in equal proportions. Broom this onto the surface. Allow to dry.
5. Any holes should be painted with a bond coat of Pabkote Type 3 and when this is tacky (but not dry), the holes should be patched with the mastic mix described at point 7 (below). To cover any unduly rough/sharp areas a thin surface of the mastic mix may be applied as a first layer. Similarly a drainage slope in the floor may be installed or corrected.
6. Lightly broom a coat of undiluted Pabkote Type 3 onto the surface and allow to go tacky - DO NOT let this bond coat dry out.
7. Prepare a mastic mixture:
1 volume Portland Cement
2 volumes Pabkote Type 3
3 volumes clean, sharp sand
4 volumes aggregate

Sometimes a small amount of water may be added to aid the mixing. Mix thoroughly to a uniform brown colour. The mastic can be prepared in a cement mixer but should preferably be mixed in a horizontal open pan type mixer with revolving drum and rotating paddles. The mix is screeded onto the floor using a wooden float rake or sceed boards in a similar fashion to laying concrete. The surface is finished by a steel trowel just before the initial set is achieved (1 to 3 hours). It is sometimes advisable to assist compaction of the floor by rolling once or twice before the mix sets at about 24-36 hours after mixing.

Guarantee/Warranty:

We warrant our products to be free of defects and manufactured to meet published physical properties when tested according to applicable specification and Tremco standards. Under this warranty we will provide at no charge, product to replace any product proven to be defective when applied in accordance with our written instructions and in applications recommended by Tremco as being suitable for this product. All claims concerning product defects must be made within 12 months of shipment. Absence of such claims in writing during this period will constitute a waiver of all claims with respect to such product. This warranty is in lieu of any and all other warranties expressed or compiled.

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