



# Inertol® 49W Thick

Liquid Asphaltic Compound for Concrete and Steel

## Technical Data Sheet

### DESCRIPTION

**Inertol 49W Thick** is a one pack, phenol-free coating material containing mineral fillers and based on a solution of white spirit carried bitumen. It complies with BS3416 Type II and cures to provide a matt black membrane.

### USES

- \* Protective coating for concrete and steel structures.
- \* Vapour barrier behind cladding or internal plaster.
- \* Waterproofing foundation walls, ducts, lintels, columns, beams and similar structures, above and below ground level.
- \* D.P.M. for ground floors.
- \* Steel components buried in the ground.

### ADVANTAGES

- \* Easily applied even to difficult detailing.
- \* High build flexible finish.
- \* Frost-proof after application.
- \* Resistance to dilute acids, alkalis and neutral salts.
- \* Barrier to water and water vapour.
- \* Applied by brush, roller or spray.

### Technical Data (typical)

|                                  |  |   |
|----------------------------------|--|---|
| <b>Colour:</b>                   | Black and Red  |   |
| <b>Specific Gravity:</b>         | Approx 1.2 kg/ltr  |   |
| <b>Volume Solids:</b>            | Approx 58%   |   |
| <b>Application temperatures:</b> | +5°C min, +30°C max<br>(Substrate and ambient)   |   |
| <b>COATING SYSTEM</b>            |  |   |
| <b>Concrete:</b>                 | 2 - 3 x <b>Inertol 49W Thick</b>   |   |
| <b>Steel:</b>                    | 2 - 3 x <b>Inertol 49W Thick</b><br>Exposure to water<br>1 x <b>Friazinc R</b><br>3 x <b>Inertol 49W Thick</b> |   |
| <b>Material Consumption:</b>     | 0.20 litres/m <sup>2</sup> (0.25 kg/m <sup>2</sup> per coat)   |   |
| <b>Overcoating times:</b>        | Between <b>Friazinc R</b> and top coat:  | Between coats:<br> |
|                                  | 1 day  | 3 days @ 15°C   |
| <b>Final drying:</b>             | 10 - 14 days   |   |
| <b>Chemical resistance:</b>      | Good resistance to water, also chlorinated water, dilute acids, alkalis and neutral salts.                     |   |

All above values are approximate.

## SURFACE PREPARATION

**General:** All surfaces must be free from dirt and dust. Lime efflorescence, salts and paint remnants must be removed by light blasting, steam-cleaning or the use of suitable detergents.

Resulting substrates must be sound, lightly profiled and surface dry (concrete should preferably be 3 weeks old).

**Concrete:** Horizontal surfaces should be lightly tamped, brushed or floated with a maximum 3 - 4 mm peak to trough.

Any sharp edges or peaks should be eliminated and voids or hollows made good accordingly.

**Masonry:** Joints must be flush pointed. Open textured surfaces should be sealed to provide a suitable surface

**Steel:** Surfaces should be blast cleaned or mechanically wire brushed to produce bright metal steel.

## APPLICATION

**Inertol 49W Thick** is supplied ready to use. Stir thoroughly prior to application. In cases of low temperatures and dense substrates up to 5% **Thinner B** may be added.

For site and coating control purposes **Inertol 49W Thick** is supplied in black and tinted red, which can be used for alternate coats.

**By brush:** Using round or distemper brushes work vigorously in all directions to ensure complete and uniform coverage.

**By roller:** Using a lambswool roller ensure complete and uniform coverage.

Do not pour material onto substrates or allow to pond in surface depressions.

**By spray:** Using high pressure or cup gun equipment with 1.8 mm nozzles at 3 - 5 bar pressure (43 - 71 psi.) or airless spraying equipment with 0.46-0.66mm (18 thou.) nozzles and a spray angle of 40 - 80°C. If necessary a maximum of 5% by weight of **Thinner B** may be added.

Good ventilation is necessary to achieve a proper cure.

**Inertol 49W Thick** is compatible with commonly used damp proof course materials other than those containing pitch polymer which should be isolated from contact.

## IMPORTANT CONSIDERATIONS

- \* During application in closed rooms, pits, shafts etc. sufficient ventilation must be provided. If this is not possible respiratory masks will become necessary.
- \* Keep away from naked flames. Electric safety lamps and spark proof ventilation equipment should be used where required.
- \* In a liquid state the product and its thinner contaminate water and should not be allowed to enter drains or come into contact with water courses or soil.
- \* In all cases remnants of material and thinner must be removed and disposed of in accordance with prevailing regulations.
- \* On rough/tamped concrete surfaces, consumption could be increased by upto 100%.
- \* When applying sand/cement floor screeds and internal wall plasters, the final coat of **Inertol 49W Thick** should be blinded with clean sharp sand while tacky to provide a mechanical key.
- \* For internal wall plasters use gypsum based systems. Do not use cementitious based plasters, renders or dry wall linings.

## CLEANING

Use **Thinner B**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list.

## CONSUMPTION

Approximately 0.25 kg/m<sup>2</sup> (0.20 litres/m<sup>2</sup>) per coat in a normally two or three coat system. (These figures do not allow for surface porosity, profile or material wastage).

## STORAGE AND SHELF LIFE

Minimum 1 year in unopened original sealed containers stored in dry warehouse conditions (+5°C - +35°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

SIKA LIMITED

Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ

Tel: 01707 394444 Email: sika@uk.sika.com

Fax: 01707 329129 www.sika.com

