

SpECtite HP600

ONE PART PITCH-BASED POLYURETHANE ELASTOMERIC MEMBRANE

DESCRIPTION

SpECtite HP600 is a black, liquid applied, pitch modified, high polymer, one part polyurethane, which cures upon exposure to atmospheric moisture to form a tough, flexible and elastomeric membrane product with excellent water resistance and low vapour permeability.

TYPICAL USES

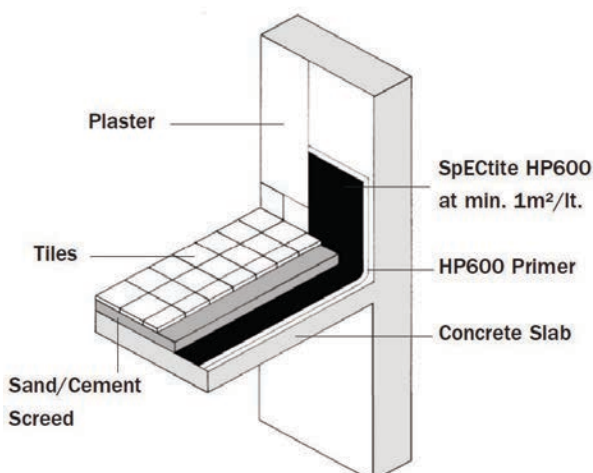
To provide a waterproofing membrane to building and civil engineering structures in a variety of situations such as:

- Tiled floors in bathrooms, shower rooms, kitchens and plant rooms
- Foundations and basement structures
- Suspended floors, parking decks and promenades over utilised areas
- Balconies, roof terraces and patios
- Inverted roofs (Consult our Technical Department for additional information)
- Non potable water retaining structures, sewage tanks, inspection pits and tunnels

ADVANTAGES

- Single component which requires no mixing or heating
- Excellent adhesion to most common construction substrates
- Highly flexible with excellent crack bridging properties (up to 2mm)
- Good application characteristics by brush or spray
- Excellent water resistance and low vapour permeability
- UV resistant when applied on exposed surfaces
- Moisture tolerant
- Resistant to cracking at low temperatures and does not suffer flow at high temperatures
- Good resistance to industrial environments
- Moisture tolerance capability

TYPICAL DETAIL FOR WET AREA WATERPROOFING



TECHNICAL INFORMATION

PROPERTIES	VALUES
Appearance	Black viscous liquid
Solids content	60 ± 5%
Cure time	12-24 hours touch dry, @ 25°C & 50% R.H.
Application temperature	5°C to 60°C
Shore A	35±5%
(ASTM D 2240)	
Tensile strength	1.5±0.3 N/mm²
(ASTM D 412)	
Ultimate elongation	>600%
(ASTM D 412-98a)	
Root Penetration Resistance	Pass
(TS 14416:2005)	

CHEMICAL RESISTANCE

UV Resistance	Resistant
Hydrolysis Resistance	Resistant
Resistance to Industrial environment	Resistant

APPLICATION

Surface Preparation

Concrete surfaces must be float or shutter finished. The surfaces must be free of cavities and projections. Blockwork or brickwork must be flush pointed and of a uniform finish.

The surfaces should be made dry, clean, dust and frost free to expose a sound, clean substrate.





Substrate Priming

Priming is not normally necessary on good quality concrete, however for particularly porous or metal surfaces, SpECtite HP600 Primer must be used.

SpECtite HP600 should be applied after the primer has become touch dry, usually 2-4 hours following application, but before it has fully reacted.

If the SpECtite HP600 is not applied within 48 hours after priming, the surfaces should be re-primed.

Application

SpECtite HP600 should be applied by brush, roller or airless spray equipment at a thickness of 1 mm in two coats.

On vertical surfaces, it may be necessary to achieve the correct film thickness by applying two coats with lighter loading to avoid slump especially when working at a high ambient temperature. Apply 2 coat systems at right angles to each other to ensure an even coating application. If a flood test is to be done, allow a minimum curing period of 5 days. The first coat should be touch dry prior to the application of the second coat. The second coat should in any event be applied within 12 hours of the first coat becoming touch dry.

When continuing membrane application from day joints, an overlap of 250mm should be made.

Protection

In certain conditions, particularly where back filling against SpECtite HP600 is anticipated, protection board should be used.

ANCILLARY MATERIALS

SpECtite HP600 Primer

Flashpoint	69°C
Specific Gravity	1.05 ± 0.1
Application temperature	5°C - 70°C
Pack size	5 and 15 litre

PACKAGING & YIELD

SpECtite HP600 is supplied in 18 litre drums. SpECtite HP600 Primer is supplied in 5 litre and 15 litre drums.

Coverage rates may vary depending on the substrate. As an average on a smooth surface, the coverage rate for SpECtite HP600 is 1 m²/litre at 1 mm WFT and 6-10 m²/litre for SpECtite HP600 Primer.

REPAIRS

Minor damage to SpECtite HP600 can be repaired by:

- Removing loose membrane
- Cleaning the surrounding area, overlapping by 150mm
- Priming the cleaned area with SpECtite HP600 Primer and applying 2 coats of SpECtite HP600

STORAGE & SHELF LIFE

SpECtite HP600 has a shelf life of 12 months when stored in original containers in cool, dry conditions. Protect the material against moisture and direct sunlight. Storage temperature: 5°- 30°C. Products should remain in their original, unopened containers, bearing the manufacturers name, product designation, batch number and application precaution labels.

SpECtite HP600 Primer has a shelf life of 12 months when stored in original containers. The primer should be stored as a highly flammable liquid.

HEALTH & SAFETY

SpECtite HP600 and SpECtite HP600 Primer.

Avoid contact with skin and eyes, wear gloves and eye protection.

Refer to relevant MSDS for additional information.

Issue 23: 07/2026

Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

SPECIALITY ENGINEERING CHEMICALS

PO Box 61347, Dubai, United Arab Emirates. Telephone: +971 4 883 6662, Fax: +971 4 883 7696

E-mail: info@spec.ae

www.spec.ae