

Technical Data Sheet ISSUED JULY 2019

PRODUCT DESCRIPTION

WPA 460 is a two component water based epoxy primer, used to seal concrete and masonry surfaces. WPA 460 cures to a water resistant coating with excellent adhesion to the most common building substrates.

Recommended for:

- Primer for damp surfaces;
- Primer for acrylic and polyurethane membranes;
- Dust sealing for interior concrete floors;
- Primer for Scyon sheeting.

FEATURES AND BENEFITS

- Water based, user friendly;
- Convenient mixing ratio, 1:1 by volume
- Environmentally friendly;
- Excellent water resistance;
- Excellent adhesion to building substrates including concrete, fibre cement, all masonry surfaces and Scyon sheeting.

APPLICATION PROCEDURE

Safety Precautions

Wear overalls, safety glasses and impervious gloves. Available information suggests that gloves made from nitrile rubber must be suitable for intermittent contact.

Substrates

Suitable for:

- Properly prepared in situ, precast and tilt up concrete;
- Block work;
- Compressed fibre cement sheeting, plasterboard, James Hardie™ Scyon™ Secura™ sheeting.

Preparation

All surfaces to be coated must be firm, clean, dry, sound and smooth. All laitance, grease, oil, wax, curing compounds, loose material, paint and any other contaminants which may reduce or prevent adhesion must be mechanically removed. Masonry surfaces must be pointed flush and surface defects repaired.

Fibre cement sheeting and water resistant plasterboard must be installed in accordance with the manufacturers' installation requirements.

Mixing

WPA 460 must be mixed with an electric mixer with a high shear mixing paddle. Premix each individual component then combine the two components, mixing thoroughly for a no less than 5 minutes until a blended, homogenous liquid is

obtained. Avoid trapping air during mixing as this may cause pin holing. Only mix as much product as can be used within the pot life of the product.

Application

Apply with a brush or roller, ensure to work the material into the substrate surface to fill voids and eliminate pin holing. Successive coats must be applied at right angles to the previous coat.

Each coat must be applied to achieve a 200 micron wet film thickness. Test the depth of coats with a wet film thickness gauge at regular intervals.

Performance Data and Physical Properties @23°C & 55% RH

- Colour (Mixed): Grey
- Pot life: 1 hour at 20°C
- Mix ratio: Pigmented - 1:1- A:B by volume
- Re-coat: 4-5 hours
- Full cure: 5-7 days
- Coverage: 4-5m²/litre/coat
- Solids content: 33% by volume
- Storage: Above 5°C

LIMITATIONS

Do not apply WPA 460:

- As a waterproofing membrane. WPA 460 must be coated with an appropriate waterproofing membrane from the WPA range;
- In areas subject to UV light exposure. Apply UV resistant top coat from the WPA range;
- On metallic substrates;
- If it is raining or rain is imminent.

Clean Up

Wash all equipment in water and/or detergent immediately on completion. WPA 460 will cure under water. Do not leave items soaking.

Packaging

20 Litres (10 litre Part A, 10 litre Part B).

Shelf Life

12 months in unopened containers, stored above 5°C.

Precautions

Refer to WPA 460 MSDS prior to use. WPA 460 cure rates will be dramatically slowed if the relative humidity is above 85%. Do not add cementitious products to WPA 460.

In enclosed areas, such as water tanks, or cubicles, ventilation must be provided to enable adequate evaporation of

Technical Data Sheet ISSUED JULY 2019

the coating. Allow to cure for a minimum of 24 hours at 25°C/50% RH before applying waterproofing membranes, adhesives, mortars, decorative coatings or other surface treatments.

Discard any material that has exceeded the pot life or working time of the product. Do not apply over any substrates that have been previously treated or coated with curing compounds, PVA concrete bonding agents or acrylic coatings. These areas must be mechanically cleaned by grinding or shot blasting to produce a contamination free surface. WPA 460 is rigid when cured and will not absorb movement cracks.

Subsequent coatings must be applied within 48 hours of the application of WPA 460.

Cold Substrates & Cool Climatic Conditions

Follow mixing instructions and allow an extra minute to ensure a homogeneous paste is obtained. Allow to stand for 5 minutes after mixing as this will accelerate the curing time. Never apply thin coats as the rapid moisture loss will arrest or slow the drying reaction which can cause an amine blush. Cure rates will be dramatically slowed if substrate surface or ambient temperature is below +10°C. If WPA 460 is applied in cooler climatic conditions, low substrate temperatures can produce amine blush, resulting in an oily residue and or areas of uncured tacky discolorations. Remove amine blush and uncured product prior to application of any further coating to ensure adhesion of the next coat. Before recoating, WPA 460 must be allowed to cure and then washed with clean, fresh water.

24 hours prior to use, store WPA 460 in a 20°C environment. If possible warm substrate surface area by an air blower or use a blower after application. Always provide adequate ventilation during the drying cycle.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126).

Inhalation

Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye Contact

If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion

Rinse mouth with water. If swallowed, do **NOT** induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes To Physician

Treat symptomatically.

Spills

Prevent from entering drains or waterways. Absorb with sand, earth or spill control material. Collect in properly labelled containers for disposal in accordance with local statutory requirements.

WARRANTY CONDITIONS

Waterproofing Products Australia warrant this product for 10 years provided the application is in accordance with our written directions for use and the relevant Australian Standards have been followed. The representations and recommendations regarding this product are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made due to the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, this product is sold with a limited warranty only, and on the condition that purchasers will carry out their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Waterproofing Products Australia be liable to anyone except for replacement of the products or refund of the purchase price.

IMPORTANT

The information provided in this technical bulletin is as correct in detail as possible and is intended to give a fair description of the product and its capabilities. In practice, the substrate and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and that the product is not used beyond its physical limitations. The product is guaranteed provided it is applied in accordance with our instructions as stated in this data sheet and any relevant Standard or Code, and provided the building and installation is structurally sound. WPA P/L terms and conditions of sale apply.

Technical Data Sheet ISSUED JULY 2019

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this WPA P/L publication is based on the present state of our best scientific and practical knowledge. As the information contained herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness, either expressed or implied, is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

***NOTE**

Field service where provided does not constitute supervisory responsibility. Suggestions made by WPA P/L either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not WPA P/L, are responsible for carrying out procedures appropriate to a specific application.

DOCUMENT CONTROL	
Product	WPA 460
Initial Issue	March 2010
Technical Amendment	August 2013 July 2016 July 2019
Author	FM

Technical Data Sheets are subject to change without notice.
For latest revision, check our website at www.bayset.com.au
This is a CONTROLLED document under WPA's Quality System.

Waterproofing Products Australia Pty. Ltd.

PO Box 1213 Archerfield BC Queensland 4108

Phone: +61 7 3722 3700 **Fax:** +61 7 3722 3711

