

401 WG EPOXY FLOOR PRIMER

FAST CURING, HIGH PERFORMANCE WATER BASED EPOXY PRIMER/SEALER

DESCRIPTION

401 WG Epoxy Floor Primer is a fast curing, two pack, water dispersible epoxy based primer/sealer/clear coating, especially formulated to meet the technological and ecological requirements of modern building and industrial practice. 401 WG Epoxy Floor Primer should be used in lower temperatures (from 5°C) or when rapid overcoating/access is required.

401 WG Epoxy Floor Primer is non-flammable and solvent free, is low odour, and may be applied to dry or damp surfaces. 401 WG Epoxy Floor Primer has excellent adhesion to most building materials, is nontoxic once cured, and consequently is a highly versatile material lending itself to application in many different types of location and circumstances.

Now available to purchase in **Smooth** and **Anti-Slip*** options. (*250 micron grade of 508 Anti-Slip Additive will be added at 2.4% prior to receipt.)

ADVANTAGES

- Excellent adhesion to dry or damp surfaces
- Low odour
- Easily applied
- Taint free
- Very good chemical and abrasion resistance
- Economical and versatile
- Recommended application temperature 5°C - 30°C

RECOMMENDED USES

- Where a fast overcoating/access is required or when application must be carried out in lower temperatures
- As a primer for our Floor Coatings e.g. [304 HD Epoxy Floor Coating](#), [307 Flexible Deck Coat](#), [303 Epoxy Floor Paint](#), etc.
- As a damp surface primer or sealer for concrete
- Suitable for use in food factories, abattoirs, dairies, laboratories, warehouses, subways, chemical bunds etc.

COLOUR RANGE

- Clear

TYPICAL PROPERTIES

Pot life @ 20°C:	3 hours
Touch dry:	1 hour @ 20°C
Hard dry:	2 hours @ 20°C
Adhesion to dry concrete:	4.4MPa (concrete failure)
Adhesion to damp concrete:	4.1MPa (concrete failure)
Chemical Resistance:	Excellent resistance to water, dilute acids, dilute alkalis, petrol, diesel, white spirit, skydrol, etc. Specific advice will be provided by our Technical Department.

SLIP RESISTANCE

Should a non-slip finish be required, [508 Fine Particle Anti-Slip Additive](#) can be added to the coating during mixing prior to application to produce an even and easily cleanable texture to the dried surface.

Alternatively, the 'Anti Slip' option can be selected when purchasing the product and the 250 micron grade of 508 Anti-Slip Additive will be added at 2.4% prior to receipt.

5kg unit	add 200g
15kg unit	add 600g

The above recommendation must only be used as a general guideline as the slip resistance of a cured resin coating can vary considerably due to many factors including: application technique, variations in film thickness, dispersion of the anti-slip texturing additive and the surface variations of the substrate and location to where it will be applied.

To obtain accurate PTV readings that are site specific (if required) it is strongly recommended that a slip assessment pendulum test is undertaken on each specific site after completion of the installation when the resin has fully cured.

PACK SIZES

- 5kg composite packs (including base, hardener)
- 15kg composite packs (including base, hardener)

COVERAGE

A 5kg pack is sufficient to prime 25m² of surface. (15kg pack pro rata).

SURFACE PREPARATION

Surfaces should be sound, clean and free from standing water, laitance, oil, grease, and other contaminants. New concrete should be allowed to cure for a minimum of 21 days. Floors should be mechanically abraded, scarified, grit blasted or otherwise adequately treated prior to application.

Note: For steel work a coat of [404 Epoxy Metal Primer](#) is recommended as a primer instead of 401 WG Epoxy Floor Primer.

Note: Substrates with high moisture content or oil contamination can still be coated in most instances by the inclusion of one of our specialist primers. Please see [402 Damp Proof Coating](#) and [403 Oil Tolerant Primer](#) for full details.

MIXING

401 WG Epoxy Floor Primer is supplied in pre-weighed containers ready for mixing. Pour the contents of the base container into the curing agent container and thoroughly mix, preferably by mechanical means until a uniform consistency is achieved. A low speed drill with paddle attachment is recommended for mixing operations.

Mixing Ratio

By Volume = 2.2 Base : 1 Curing Agent

By Weight = 100 Base : 42.9 Curing Agent

APPLICATION

Apply by brush or roller at a nominal rate of 5m² per Kg.

As a sealer or clear coating, a second coat should be applied after a minimum of 2 hours, and before a maximum of 48 hours.

As a primer, overcoating may be commenced as soon as the initial milky appearance has cleared or within 24 hours at 20°C. Ensure good ventilation during application.

EQUIPMENT CLEANING

Clean equipment with [109 Tool Cleaner](#) or a blend of [109 Tool Cleaner](#) and water, immediately after use.

CURING

401 WG Epoxy Floor primer will be touch dry following 1 hours cure @20°C, and hard dry after 2 hours cure @ 20°C. Full chemical resistance will be attained following 7 days cure @ 20°C.

Good ventilation is essential to allow satisfactory evaporation of water from the film.

STORAGE & SHELF LIFE

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 25°C.

401 WG Epoxy Floor Primer has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions

LIMITATIONS

- Do not apply to uncured surfaces, or where standing water is present
- Do not apply to surfaces previously treated with water repellent chemicals
- Do not apply at temperatures below 3°C, or if there is a risk of frost during the initial curing period
- Do not use 401 WG Epoxy Floor Primer that has exceeded the stated pot life
- Protect from water splashes during the first 24 hours of cure, as the fresh film is sensitive to water
- Relative humidity must be below 85% during the early stages of curing
- Do not apply in badly ventilated areas

HEALTH & SAFETY

- Avoid contact of the material with skin and eyes
- Wear gloves and goggles
- Wash off splashes immediately with soap and water
- Any eye contamination must be rapidly irrigated with copious amounts of water, and immediate medical attention sought

Please refer to Material Safety Data Sheet for additional information.

401 WG Epoxy Floor Primer shall be applied strictly in accordance with the manufacturer's instructions.

For specific advice regarding any aspect of this product, please consult our Technical Department.

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CAUTION

- This product is for professional use only
- Applicators must be experienced and able to prepare and apply the coating correctly according to all relevant documentation
- If in doubt, contact our Technical Department before commencing any work