

Wapex 660

Waterborne, two-pack floor- and wall coating,
based on epoxy resin.

General

Main properties

Waterborne.
Chemical- and water-resistant.
Impact- and wear-resistant.
Non-flammable.
Low odour.
Good cleansability.

Use

Easy to apply.
The product can be applied on floors and walls made of concrete, cement plaster, gypsum carton or gypsum elements and is excellently suitable for rooms where no solventborne paint application is allowed.

Application information

Application conditions

Substrate temperature: 10 – 30°C, minimum 3°C above dew point.
Maximum relative humidity: 85%.

Do not apply in bad weather conditions. Cement bounded surfaces should be at least 28 days old, unless the supplier tells otherwise.

Application

Brush, roller

Thinner

Water

Mixing ratio

First layer 10%, next layers max. 3%

Component A (base): 80 parts by volume.

Component B (hardener): 20 parts by volume.

Mixing method

Mix the components very thoroughly by means of a slow running electrical drill fitted with a mixing paddle using approx. 200 RPM.

Yield

Dry layer 50 µm: 8 m²/l

Dry layer 80 µm: 3,5 – 5,5 m²/l

Depending on the porosity of the surface, the application method, the shape of the object and the particle size of the sand.

Advised layer thickness

Wall finish: dry 50 µm = 100 µm wet

Floor finish:

Non sanded layer: dry 80 µm = 160 µm wet

Sanded layer: dry 125 µm = 250 µm wet

Drying times at 20°C/ 65% R.H.

Walkable after approx. 8 hours

Recoat after 16 to 72 hours

Fully exposed to traffic: after min 7 days

Pot life

At 20°C: After mixing A and B component approx. 1,5 hours

At 30°C: Approx. 45 min..

After these periods, the product won't be usable anymore. An indication for the end of the pot life is increased viscosity and slight separation of the ingredients.

Properties

Density

Mixed components: 1,2-1,4 kg/dm³

Solids content

Mixed components: approx. 50% by volume = approx. 63% by weight

Gloss

Satin gloss

Chemical resistance

Resistant to spoiling of different chemicals and cleaners

Cleanability

Depending on the resistance of the surface, good cleanable with water and synthetic cleaners.

Abrasion resistance (DIN 65182)

Sand-free system: 70±10 mg / 1000 cycles (CS-wheel 17 / 1 kg load).

Decontamination properties

Wapex 660 has very good decontamination properties and is BAM approved according to DIN 25415, part 1.

Shelf life
VOC (Volatile Organic Compound)

Storage cool and frost-free (5°C - 30°C.)
EU limit value for this product (cat. A/j): 140 g/l (2007),
140 g/l (2010). This product contains maximum 10 g/l VOC.

Additional information

Packaging
Colors

Per set in 1 l and 5 l (base + hardener).
White and a wide range of colors out of the Sikkens 4041 Color Concept. Only colors with an ACC-code ending with the number 55 or more are suited for floor finishing.

Method

Pre treatment

The substrate has to be dry enough (< 5% humidity), load-bearing, coherent and free from cement lime.
Remove dust, dirt, grease, moss etc.
Smooth and/or dense surfaces should be roughened by dust-free blasting or mechanic sanding.
Strong absorbing surfaces should be moistened with water before applying the first layer Wapex 660.

Wall finishing

Apply a primer layer Wapex 660 (max. 10% thinned with water).
Cover with one or two layers Wapex 660 (max. 3% thinned with water).

Floor finishing

Apply a primer layer Wapex 660 (max. 10% thinned with water).
recoat with Wapex 660.
Saturate the wet Wapex 660 with sand or granulated substrate.
Remove the surplus Wapex 505 after hardening.
Cover with Wapex 660.

Health and safety information

Please revert to the Safety Data Sheet.

The effectiveness of our product and systems is based on years of practical experience and research in our laboratories. We guarantee that the quality of the work on which our products are used meets the qualifications (Akzo Nobel Decorative Coatings bv) has promised, provided that all instructions given by us are correctly followed and the work has been carried out according to good craftsmanship. In case the end result has been influenced negatively by circumstances beyond our control, any and all liability are expressly excluded and disclaimed. Purchaser needs to check whether the delivered products are fit for the intended use. As soon as a new version of this (technical data sheet) is available, this one will no longer be valid.