# Technical Data Sheet

## ipox® ES 100W system

### PROPERTIES

- Two component waterborne epoxy coating system
- RAL-colour, filled top coat
- Mix ratio A:B = 1:3 by weight

**Chemical base:**

- modified bisphenol A epoxy resin
- modified polyamine adduct hardener

### TYPICAL APPLICATIONS

- Primers and top coats
- Vapour-permeable floors

### TECHNICAL DATA*

| | PARAMETER | UNIT | VALUE | METHOD |
|---|---|---|---|---|
| Component A | Epoxy Equivalent Weight [EEW] | g/eq. | 190 - 210 | ipox 001 |
| | Epoxy value | eq./100 g | 0,47 - 0,53 | ipox 001 |
| | Viscosity** [25 °C] | mPa·s | 700 - 1000 | ipox 010 |
| | Density [25 °C] | g/cm$^3$ | ~1,11 | ipox 017 |
| Component B | H-Equivalent Weight [HEW] | g/eq. | 630 | |
| | Amine value | mg KOH/g | 55 - 65 | ipox 002 |
| | Colour | | RAL | |
| | Density [25 °C] | g/cm$^3$ | ~1,44 | ipox 017 |

* typical data; please ask for the specifications

** Brookfield R/S-CPS cone/plate rheometer

## TYPICAL SYSTEM PROPERTIES*

| | PARAMETER | UNIT | VALUE | METHOD |
|---|---|---|---|---|
| System | Mix ratio (A:B) | weight | 1:3 | |
| | Pot life** [100 g, 25 °C] | min | ~60 | ipox 024 |
| | Full cure [25 °C] | days | ~7 | |

* typical data; please ask for the specifications

** GELNORM Gel Timer-TC

## DIRECTION FOR USE

Surface to be coated must be dry and free from any type of contamination such as grease, oil, dirt and loose particles. The required parameters of the concrete substrate: compressive strength is minimum 25 N/mm$^2$; minimum pull-off strength is 1,5 N/mm$^2$.

Mix together the two component (A+B). Pour comp. A into comp. B and mix with a drill mixer until the mixture is completely homogeneous. The mix ratio: 1 part by weight of A and 3 parts by weight of B.

ipox ES 100W comp. A+B can be applied on concrete with a roller.

1. layer: ipox ES 100W system + 10 % water

2. layer: ipox ES 100W system + 5 % water

3. layer: ipox ES 100W system

Typical coverage ca. 0,3 kg/m$^2$/layer.

No special precautions need to be taken at temperatures between +15 °C and +30 °C.

For a good quality coat the suitable temperature and humidity are very important.

The handling and processing must be performed by appropriately trained and professional users. For further information please contact our representative.

## STORAGE

ipox® ES 100W comp. A and comp. B are at least 12 months stable in the original can.

Storage at higher temperatures and exposure to sunlight will increase the colour number.

Keep cool and dry. Stir component B before use!

## PHYSIOLOGY AND LABORATORY SAFETY REGULATIONS

For additional information please consult the corresponding product safety data sheets.

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