



# Technical Data Sheet

## A-FIX-WIND-SAFE 2 PART 3:1 RATIO SOLVENT FREE EPOXY RESIN ADHESIVE PERMANENT BOND

### COMPONENTS

A-FIX-WIND-SAFE is delivered in two parts,  
Base and Hardener  
Supplied in separate tins for mixing.

### CHARACTERISTICS

Base: **0.75kg**, smooth consistency, light grey colour  
 Hardener: **0.25kg**, smooth consistency, dark grey colour  
 Mixed product: **600ml**, fire performance classification **A2-s1,d0** to EN 13501-1:2018, medium grey colour

### MATERIAL

Chemistry: Epoxy Resin Formula (Non-shrink epoxy)  
 Density: **1.57KG** / litre at **25°C** mixed  
 Curing temperature: Cures down to **10°C**  
 Shelf Life: **18 months** from date of manufacture (expiry date can be found on the base of the tin)  
 Storage: Store between **+5°C** and **25°C**, Avoid contact with bright sunlight  
 Packaging must remain airtight at all times  
 Settling or separation may occur after a period of storage; each component may be need to be thoroughly stirred  
 Mixing Ratio: **3:1** by volume of Base + Hardener compounds  
 Manufactured in the UK

A Material Safety Data Sheet (MSDS) is available from the [Resource Centre](#)

### APPLICATION CONDITIONS

Substrate	Minimum substrate temperature <b>+10°C- +30C Max.</b>
Ambient	Minimum ambient temperature <b>+10°C- +30C Max.</b>
Materials	Minimum material temperature <b>+10°C- +30C Max.</b>
Damp surface	Ensure that the product is worked well into all areas when applying to damp surfaces

### GEL & CURE TIMES

Temp °c	10°c	20°c	30°c	40°c
Gel Time (minutes)	225 minutes	90 minutes	45 minutes	26 minutes
Cure Time (hours) in dry conditions	34 hours	12 hours	6 hours	2 hours
Cure Time (hours) in wet conditions	68 hours	24 hours	12 hours	4 hours

The gel time is the working time and is the length of time that you can work with the adhesive before it sets, the cure time is the length of time it takes before the bond is fully hardened.



## MECHANICAL & PHYSICAL PROPERTIES

Compressive Strength	24 Hours @ + 20°C - 60 N/mm <sup>2</sup> - Tested to EN ISO 604 / ASTM 695
Flexural Strength	24 Hours @ + 20°C - 33 MPa - Tested to EN ISO 178 / ASTM 795
Tensile Strength	24 Hours @ + 20°C - 22 N/mm <sup>2</sup> - Tested to EN ISO 527 / ASTM 638

## DESIGN LOADINGS

Wind Uplift tests have been performed\* using **A-FIX-WIND SAFE** as the bonding agent for 20mm thick porcelain tiles (sizes 600mm x 600mm & 1200mm x 600mm), and Buzon products with the following results:

Buzon Products:	Pascals (newtons per square metre)	Wind Speeds (metres per second)	Wind Speeds (miles per hour)
A-PED	17,074.40	123.69	276.68
DPH	6,395.20	75.70	169.33
A-PED-JOIST with A-PED-TABs	21,257.60	138.01	308.72
ALUrail	49,016.80	209.57	468.79

\*Results have been factored down to account for real life settings.

## COVERAGE

Product coverage for 600ml of mixed product is approximately 10 metres of 15mm wide lines or 230 dots of 20mm diameter.

## APPLICATIONS

**A-FIX-WIND-SAFE** adhesive is designed to prevent wind uplift on balconies and roof terraces or other areas where wind could cause unsecured porcelain, ceramic or concrete tiles to lift. It is used for bonding the tiles to the following Buzon products:

- The heads of **A-PED** pedestals
- The heads of **PB** & **DPH** polypropylene pedestals (or **U-EDGE** and **U-TILE** products when used with these pedestals)
- **A-PED-TABs** attached to **A-PED-JOISTS**
- **ALUrail** (**U-BRS Joists**)

Refer to **Application Instructions** for information on how to apply the product.

## SAFETY INSTRUCTIONS

Buzon pedestals are designed to support external raised floors for pedestrian traffic only and are not designed to support or be subjected to moving and/or vibrating machinery & equipment, including maintenance, cleaning vehicles, automobiles and other similar equipment.

**Contact us if you require further technical support or advice**

**buzonuk.com - info@buzonuk.com - +44 (0)20 8614 0874**



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