

HYPERFIX – PUD-FC

Water-based PU sealant for internal and external use

DESCRIPTION

HYPERFIX – PUD-FC is a new generation, water-based polyurethane sealant which is based on **ALCHIMICA's** innovative water based polyurethane dispersion technology.

The sealant is excellent for connection joints between stairs, walls, ceilings, skirtings, windowsills, wood, and metal window frames, as well as concrete and brickwork. It can be applied in both internal and external applications and it can accommodate joint movement up to 12.5%. Additionally, the sealant retains its elasticity even at temperatures of -15°C.

HYPERFIX – PUD-FC is an excellent solution for filling gaps and cracks prior to the use of **HYPERDESMO® AQUA** as a protective wall paint.

FEATURES & BENEFITS

Interior and exterior uses.
High elongation at break and high movement accommodation.
Paintable with water based and synthetic paints.
Perfect adhesion without the use of a primer on most, even slightly damp substrates.
Easy to apply and clean.
Excellent tooling properties.
Highly resistant to water immersion.

LIMITATIONS

Exterior applications must take place only in good, dry weather. Following the application, the sealant must stay dry for at least 5 hours. Not recommended for sealing joints in water tanks.

APPLICATION PREREQUISITES

Application temperature +5°C to +40°C (applies to environment and substrates). All substrates must be solid, clean, dry, and free of grease and dust. Substrates to be clear of all loose particles, absorbent substrates do not need to be absolutely dry. Very porous substrates such as gypsum, open pore concrete, limestone, etc., need to be primed using **HYPERFIX – PUD-FC** diluted with water at a ratio of 2/1.

Finish and smooth the product using water.



Do not apply under conditions of extreme wet weather, imminent rain or near freezing temperatures.

CONSUMPTION

As a general rule, the ratio of joint depth to width should be 1:1, assuming a maximum joint width at 10mm. Minimum width and depth at 5mm.

For joints wider than 10 mm, the depth should be controlled at 1/3 of the width.

CLEANING

Clean tools and equipment immediately with water.

PACKAGING

600 cc sausages

SHELF LIFE

18 months in original packaging stored at 5-25 degrees °C.

SAFETY INFORMATION

The MSDS (Material Safety Data Sheet) is available on request.

HYPERFIX – PUD-FC

TECHNICAL SPECIFICATIONS

PROPERTY	UNITS	METHOD	SPECIFICATION
Dry to touch	min		20
Service temperature	°C	-	-20 to 75
Adhesion to concrete	Mpa	ASTM D4541	>1
Hardness	Shore A	ASTM D2240 / DIN 53505 / ISO R868	30
Tensile strength at break @ 23 °C	(N/mm ²)	ASTM D412 / EN-ISO-527-3	0,4
Elongation	%	ASTM D412 / EN-ISO-527-3	> 300
QUV Accelerated Weathering Test (4hr UV, @ 60 °C (UVB-Lamps) & 4hr COND @ 50 °C)	-	ASTM G53	passed (2,000 hours)

NONE OF OUR PUBLISHED INSTRUCTIONS AND SPECIFICATIONS, IN WRITING OR OTHERWISE, ARE BINDING EITHER IN GENERAL OR WITH RESPECT TO ANY THIRD-PARTY RIGHTS, OR DO THEY RELIEVE INTERESTED PARTIES OF THEIR DUTY TO SUBJECT THE PRODUCT TO AN ADEQUATE EXAMINATION OF ITS SUITABILITY. IN NO EVENT WILL ALCHIMICA S.A. BE RESPONSIBLE FOR DAMAGES OF ANY NATURE, WHATSOEVER, RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS. ALCHIMICA S.A. RESERVES THE RIGHT TO CHANGE AT ANY TIME THE PROPERTIES OF ITS PRODUCTS. PLEASE REFER TO THE CURRENT VERSION OF THE TECHNICAL DATA SHEET, AVAILABLE FROM OUR WEB SITE WWW.ALCHIMICA.COM

