

Keyfix P

Styrene-free polyester anchoring system for uncracked concrete and masonry



DESCRIPTION

Keyfix P is a styrene-free polyester resin anchoring grout in pre-packed cartridge system, designed for medium load applications in uncracked concrete, solid masonry, hollow blocks, natural stone, and similar substrates.

APPLICATIONS

Permanent anchoring of:

- » Starter bars and dowels.
- » Handrails and safety fences.
- » Satellite dishes, boiler brackets, and bicycle racks.
- » Canopies and balcony balustrades.

Suitable for:

- » Solid and hollow masonry.
- » Uncracked concrete.
- » Natural and reconstituted stone.

ADVANTAGES

- » Styrene-free formulation, low odor and safer for indoor use.
- » Medium load bearing capacity.
- » Excellent adhesion to concrete and masonry.
- » Can be used in wet and flooded holes.
- » Good chemical resistance.
- » Cures in damp conditions.
- » Low VOC.

METHOD OF USE

SUBSTRATE PREPARATION

Substrate should be sound, clean and free from grease or any contamination. Rods should be free from any loose rust deposits. Holes are best made using rotary percussive drill to provide rough.

Clean the drilled hole by blowing it out twice with a cleaning pump, brushing it thoroughly with the correct size brush, then repeating the blow and brush cycle once more. Finish with a final double blow-out. The hole must be free from dust, debris, and moisture to ensure proper bonding of the resin.

If use in hollow masonry, insert the correct plastic sleeves, to the level of the surface of the substrate.

TECHNICAL PROPERTIES:

Density:
ASTM D 1875

1.7 g/cm³

APPLICATION

Remove cap and plug, screw on the static mixing nozzle. Load cartridge into an applicator gun. Dispense 10 ml until uniform color is achieved.

Remove any free water from the hole. Then insert the nozzle to the bottom of the hole or sleeve. Slowly inject resin while withdrawing nozzle to avoid air pockets. Fill hole $\frac{2}{3}$ full for solid base materials. Fully fill sleeves in hollow substrates.

Insert threaded rod or rebar with a slow twisting motion. And remove the excess resin. Allow the resin to cure fully before loading.

WORKING & LOADING TIMES

Cartridge Temperature	Working time*	Base Material Temperature	Loading time**
5°C	18 min	5°C	160 min
5 - 10°C	10 min	5 - 10°C	160 min
10 - 20°C	6 min	10 - 20°C	90 min
20 - 25°C	5 min	20 - 25°C	60 min
25 - 30°C	4 min	25 - 30°C	50 min
30°C	4 min	30°C	40 min

**Working time is the gel time at the highest temperature in range.*

***Loading time is the minimum cure time before loading at the lowest temperature in range.*



Keyfix P

CLEANING

All tools should be cleaned immediately after finishing by DCP Solvent. Hardened materials can be cleaned mechanically.

REMARKS

- » Keyfix P is not designed for decorative use. When anchoring into porous or reconstituted stone, it's best to seek technical advice.
- » The resin may cause staining on certain materials. If in doubt, apply a small test sample in a discreet area before full use.

PACKAGING

Keyfix P is available in 300 ml cartridge system.

STORAGE

Keyfix P has a shelf life of 12 months if stored at 20°C.

If these conditions are exceeded, contact DCP Technical Department for advice.

CAUTIONS

HEALTH AND SAFETY

Keyfix P is irritant to eyes, skin and respiratory system. Wear suitable gloves and eye protection.

Refer to the Material Safety Data Sheet for further information.

FIRE

Keyfix P and DCP solvent are flammable and should be kept in a cool place.

MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.