

# PLASTIC FRAME-FIXING ANCHOR W-UR 10

42.2

## Multiple fastenings of non-load-bearing systems:

Concrete, solid and perforated brick and aerated concrete

### W-UR 10 with countersunk screw

- Galvanized steel
- Stainless steel A4

### W-UR F 10 with hexagon screw and pressed-on washer

- Galvanized steel
- Stainless steel A4



## Proof of performance

Approvals		Test reports
<b>European Technical Approval</b> Multiple attachment of non-load-bearing systems in concrete and masonry <b>W-UR (F) 10</b>	<b>Facade covering</b> W-UR 10, W-UR F 10	<b>Fire resistance</b> Concrete and masonry

### Good to know:

- Drill perforated and hollow blocks in rotating gear (without impact mechanism).
- For anchoring in solid brick and solid sand-lime brick, we recommend that you perform pull-out tests due to the differences in brick manufacturing.
- Drilling dust must be removed from the drill hole.

## 1. Applications

- With European Technical Approval, the anchor may be used for multiple attachment of non-load-bearing systems (e.g. facade, suspended ceiling etc.)
- W-UR, W-UR F may be anchored in the following anchoring bases:

### Standard concrete

**Masonry walls** (solid brick, solid sand-lime brick, vertically-perforated brick, perforated sand-lime brick, hollow blocks made of lightweight concrete, solid stone and solid blocks made of lightweight concrete, masonry stone made of concrete)

### Aerated concrete

- Installation temperatures:  
 Temperature of anchoring base:  $\geq -20^{\circ}\text{C}$   
 Temperature of anchor sleeve:  $\geq 0^{\circ}\text{C}$
- The stainless-steel screw may be used outdoors and in industrial atmospheres and near the sea
- The galvanized screw may be used outdoors or in damp rooms (careful installation) if the area near the screw head is protected against moisture so that penetration of moisture into the anchor shaft is not possible (suitable paint)
- Suitable for the attachment of facade, ceiling and roof substructures (made of wood or steel), wood beams, wood lath, metal brackets, metal rails, false ceilings, cable routes, angle brackets, profiles, hanging cabinets, shelves etc.

## 2. Advantages

- Through-bolt mounting
- Can be loaded immediately - no waiting times
- Minimum insertion torque of the anchor screw  $\rightarrow$  "Slight" spreading of the anchor, almost no turning of the anchor sleeve
- Very strong twist lock
- Spreading in four directions  $\rightarrow$  High load-bearing capacities
- Improved power transmission: Even, continuous load distribution across the entire spreading area
- Universal frame-fixing anchor (concrete, masonry made of perforated and solid stone, aerated concrete)
- The knock-in lock prevents premature spreading of the anchor during installation
- The anchor sleeve and special screw are pre-mounted  $\rightarrow$  Less mounting effort
- Anchor type W-UR F means an additional U-washer is not required and prevents contact corrosion
- Improved transmission of force in solid and hollow construction

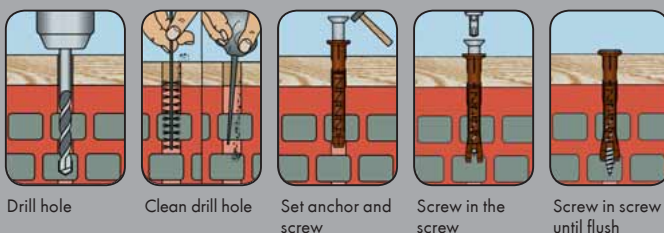
## 3. Properties

- Anchoring via friction engaging between anchor sleeve and anchor surface
- W-UR 10 and W-UR F 10 (galvanized steel, stainless steel):  
 General construction permit Z-21.2-1838
- W-UR 10 and W-UR F 10 (galvanized steel, stainless steel):  
 European Technical Approval ETA-08/0190
- The anchor sleeve is made of high-quality polyamide
- Fire resistance of W-UR 10:

**Concrete:** Tensile and transverse loads, **R30, R60, R90, R120** (in accordance with Technical Report TR 020)

**Masonry** Tensile load: **F30** (solid sand-lime brick, solid brick, perforated sand-lime brick)  
 Transverse load: **F30, F60, F90, F120** (vertically-perforated brick, perforated sand-lime brick, solid brick, aerated concrete)

## Setting Instructions I



## Setting Instructions II

