isorocket®

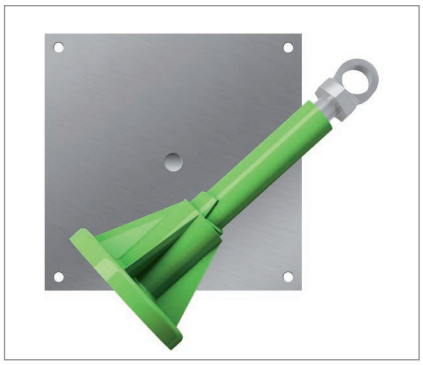
Assembly instructions

PERMANENT SCAFFOLD ANCHOR FOR ETICS/ VCW/CAVITY WALL

The anchor types

At this time, we differentiate the **isorocket**® permanent anchor system into three different anchor types:

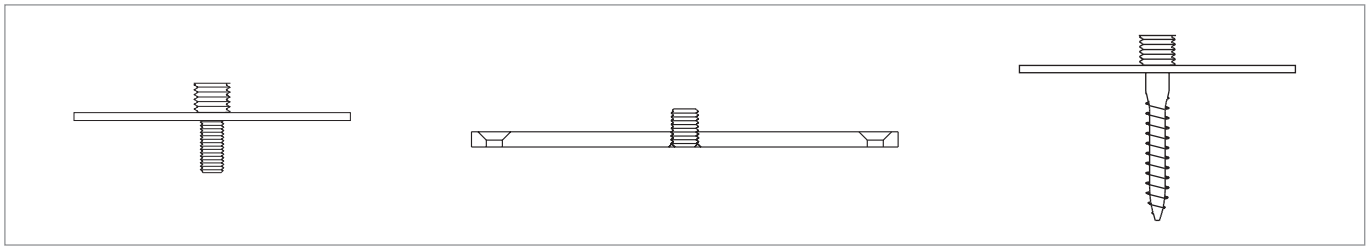
Concrete
(approved according to DIN 4426 / German standard for use on concrete)



Masonry
(approved according to DIN 4426 / German standard for use on masonry)

Temporary
(Temporary scaffold anchor according to DIN EN 12811-1:2004-03 / German standard for concrete and masonry)

The individual anchor types are each available in four different sizes (MINI, MIDI, MAXI and MEGA). The right size is always selected based on the thickness of the external thermal insulation composite system or ventilated curtain wall façade that is to be fitted and on the brick masonry. The anchor body (**rocket**body) and anchor screw (**rocket**bolt) are mounted identically in all systems. Only the load distribution plate (**rocket**base) is mounted differently.



rocketbase **concrete**
(load distribution plate for concrete)

rocketbase **masonry**
(load distribution plate for masonry)

rocketbase **temporary**
(load distribution plate for concrete and masonry)

When you buy a **isorocket**® permanent scaffold anchor, you always receive a complete approved system (except temporary) with all necessary components in one packaging unit: Wall plug (**rocket**plug), load distribution plate (**rocket**base), anchor body (**rocket**body) and eyebolt (**rocket**bolt). You can always be confident that you have all parts at the building site.

When mounting the **isorocket**® permanent scaffold anchor, we recommend the **isorocket**® assembly set that is available in the versions **Standard** (with all tools for the anchor assembly in new buildings) and **Extended** (with all tools from the standard version and additional tools and assembly aids for doubling the external thermal insulation composite systems).

Deutsches Institut für Bautechnik DIBt
Zulassungs-Nr. Z-21.8-2088

isoline® Safety in façades

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Sicher drauf, sicher dran

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PERMANENT SCAFFOLD ANCHOR FOR ETICS/ VCW/CAVITY WALL

Assembly instructions

CONCRETE

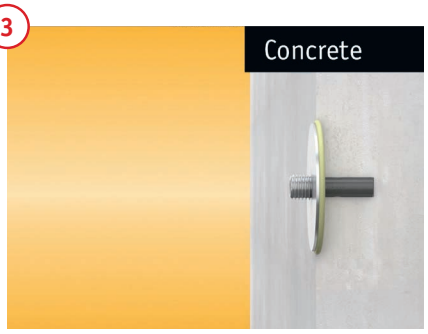
1

Definition of the anchor point

2

Pre-drill the borehole with a drill (diameter 16 mm) to a depth of 90 mm and blow out the borehole.

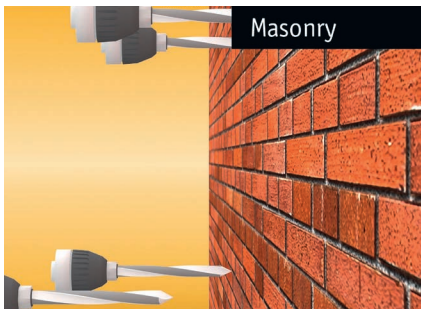
3



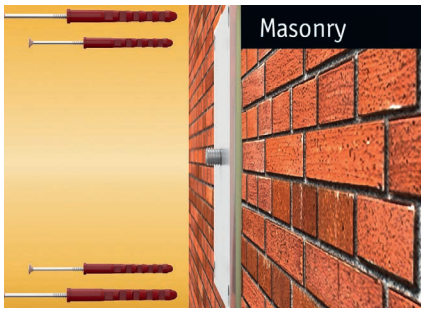
Insert the enclosed heavy-duty metal wall plug into the borehole. Apply a thick layer of **rocket** glue to the rear of the **rocket**base, so that there are no air chambers when the anchor plate is screwed in, the anchor plate has full contact and a bead of excess material oozes out. After appropriate wetting, screw the **rocket**base into the metal wall plug and tighten with the Allen **rocket**key.

MASONRY

Definition of the anchor point



Use the drilling template (card cover in the package) to mark the 4 drilling points, then remove the drilling template again. Pre-drill 4 boreholes with a drill (diameter 10 mm) to a depth of 100 -110 mm and blow out the borehole. *(Please always ensure that the wider point of the **rocket**base is attached horizontally and not upright)*

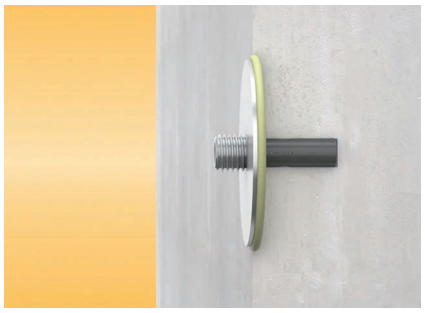


Apply a thick layer of **rocket**glue to the back of the **rocket**base so that there are no air chambers when the anchor plate is screwed in, the anchor plate has full contact and a bead of excess material oozes out. Then insert two of the adjacent push-through wall plugs into the two upper boreholes of the metal plate and use these to lift the **rocket**base and place it in the right position on the wall. Insert the push-through wall plug fully and then screw. Then insert the lower 2 wall plugs through the base plate into the wall and screw. For the final screwing stage, please tighten with the Torx bit from the assembly set using the cordless screwdriver or matching ratchet.

TEMPORARY

Definition of the anchor point

Pre-drill the borehole with a drill (diameter 14 mm) to a depth of 120 mm and blow out the borehole.



Insert the enclosed plastic wall plug into the borehole. Apply a thick layer of **rocket**-glue to the back of the **rocket**base so that there are no air chambers when the anchor plate is screwed in, the anchor plate has full contact and a bead of excess material oozes out. After wetting the **rocket**base, screw in the anchor and tighten with the Torx bit from the assembly set using the cordless screwdriver or matching ratchet.

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Assembly instructions

CONCRETE

MASONRY

TEMPORARY

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IMPORTANT!

Always apply the rocketfix screw lock onto the outer thread of the rocketbase so that there are no problems when the rocketbolt anchor screw is unscrewed later!

Then screw on the **rocket**body and tighten with the **rocket**key assembly key.

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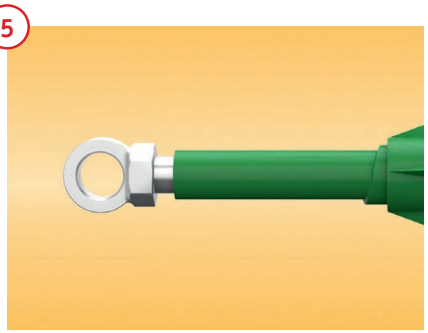

Manually screw in the **rocket**bolt anchor screw into the plastic **rocket**body until it is tight.

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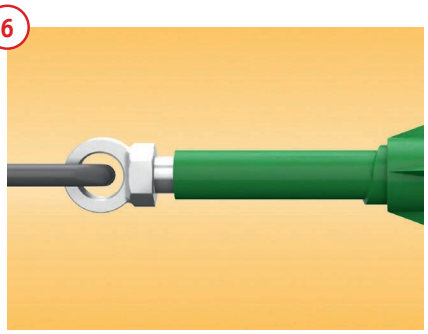

Insert the scaffold holders or lightening anchors into the **rocket**bolt anchor screws and attach to the scaffold with couplings according to the construction and operating instructions.

THIS MARKS THE END OF THE ASSEMBLY!

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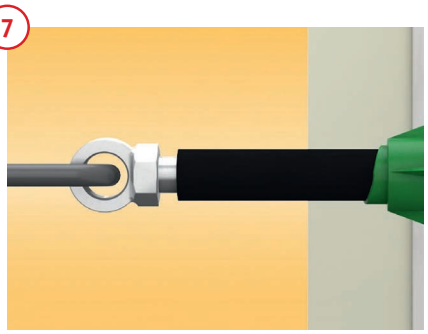

For the façade builders:

The façade builder must equip and use the anchor with a joint seal tape. In the case of ETICS, all holes or gaps near the support elements of the rocketbody anchor body need to be filled with system-conform filling foam of ETIC-system. In this case before the reinforcement is applied, the protruding joint seal band should be cut off flush to the thermal insulation and removed so that the reinforcement can be fitted directly up to the 'plastic swan neck'. Any resulting material collections in the corner must always be removed sharply with a spatula before the next work steps.

CONCRETE MASONRY TEMPORARY

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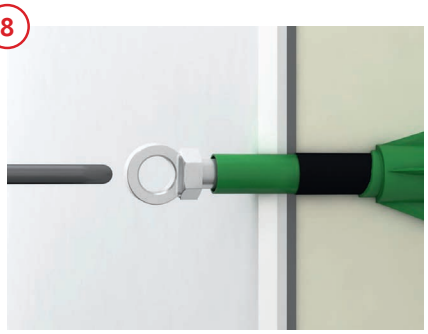

When the scaffold is removed, the anchor element is disconnected from the scaffold and unhooked from the **rocket**bolt anchor screw.

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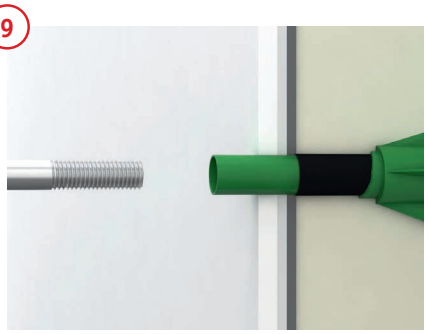

Then the **rocket**bolt anchor screw can be unscrewed. (Note: As the **rocket**bolt anchor screw is an important part of the anchor system that the building owner also buys, this screw remains with the customer. We recommend storing this in one or several packages in the heating room so that this can be reused again later or that it can be accessed quickly.

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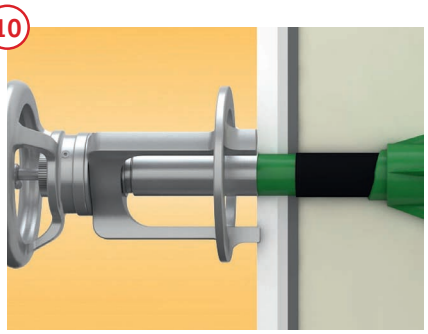

The protruding part of the rocketbody anchor body is now cut off using the **rocket**cutter shortening unit on the inside to precisely the façade level. To do this, the blades of the **rocket**cutter are turned back with the upper setting screw in the hand wheel, the **rocket**-cutter is placed onto the plastic **rocket**body with one hand, the blade is turned on with the upper setting screw in the hand wheel until a slight counter-pressure is felt. Then the hand wheel is turned two or three turns in a clockwise direction before the blade can be set a little wider. This process is repeated a few times until the 'plastic swan neck' is cut perfectly to the level of the façade.

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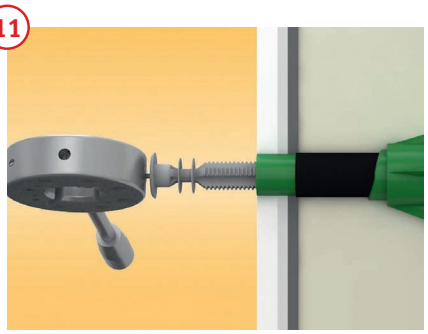

Then the screw channel is sealed with the **rocket**seal plug, screwed using the **rocket**key Allen assembly key and camouflaged with a 'dab' of façade paint. Generally, we do not use acrylate or other sealing agents at this point because they often leave marks on the façade later. The design of the plugs guarantees the required tightness and is simply screwed in.

If the anchor point is to be used again at a later time, the stainless steel insert of the plug can be cleaned of soiling and paint using the cutter knife without damaging the plastic. This means that the plug can be unscrewed again at any time and the anchor point can be reused by screwing in the **rocket**bolt.