

Order

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Requirements for Packaging Aluminum Profiles

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1 General

The requirements of DIN EN 13981-1 Chapter 11 on "Record keeping" apply to all requirement classes A, B and C according to Chapter 8 of the standard.

In addition to DIN EN 13981-1 Chapter 12, the following requirements apply:

There are 4 different variants for the packaging:

- Packaging type A standard packaging with protective foil cover
- Packaging type B standard packaging without protective foil cover
- Packaging type C reusable packaging with protective foil
- Packaging type D reusable packaging without protective foil

Packaging types C and D are intended for smaller profiles up to 6 m in length or for bulky profiles that are difficult to stack.

Which of the four packaging variants is to be used must be agreed during ordering.

Unless otherwise agreed, variant A applies.

Other types of packaging are applicable, but must be agreed in advance with Stadler Rail's logistics department.

For shipments from outside the EU, the packaging regulations according to ISPM or IPPC must be considered.



2 Packaging regulations

2.1 Packaging type A

For transport and intermediate storage, the profiles must be packed in such a way that they can be safely stacked without additional aids and are protected against damage, moisture and dirt.

2.1.1 Packing of profiles < 12 m

Profiles with a length of up to 12 m must be delivered in stackable bundles with a maximum width and height of 80 cm and a maximum weight of approx. 3 tons and packed as follows:

- Chloride-free, water-repellent plastic strips between the individual profile layers
- Polyethylene foil applied on the top, front and back as well as on the two long sides (bottom must be left open)
- Plastic straps that are tied around two wooden crossbeams at the top and bottom. The plastic straps are placed 30 cm from each end and fixed at maximum intervals of 4 m
- The dimensions of the lower crossbeams are to be selected in such a way that the profile bundles can be safely transported and stacked with a forklift truck without damaging the bottom side of the profile
- In the case of visible trim parts, these must be individually protected against injury with interleaving paper
- The packaging material must be water-repellent, dry and free of any chloride, resin or grease residue

2.1.2 Packing of profiles > 12 m

Profiles with a length of more than 12 m are to be packed in the same way as DIN EN 13981-1 Sections 12.1 and 12.1.1, whereby instead of the cross beams on the top and bottom, 80 mm long wooden frames are to be used at a distance of 6 m.

The wooden frames consist of two 80 cm long disposable pallets on the top and bottom, which are adapted to the profile width. If necessary, additional wooden planks are to be used on the sides.

2.2 Packaging type B

For transport and intermediate storage, the profiles must be packed in such a way that they can be safely stacked without additional aids and are protected against damage, moisture and dirt.

2.2.1 Packing of profiles < 12 m

Profiles with a length of up to 12 m must be delivered in stackable bundles with a maximum width and height of 80 cm and a maximum weight of approx. 3 tons and packed as follows:

- Chloride-free, water-repellent plastic strips between the individual profile layers
- Plastic straps that are tied around two wooden crossbeams at the top and bottom. The plastic straps are placed 30 cm from each end and fixed at maximum intervals of 4 m
- The dimensions of the lower crossbeams are to be selected in such a way that the profile bundles can be safely transported and stacked with a forklift truck without damaging the underside of the profile
- In the case of visible trim parts, these must be individually protected against injury with interleaving paper
- All packaging materials must be water-repellent, dry and free from any residue of chloride, resin or grease



2.2.2 Packing of profiles > 12 m

Profiles with a length of more than 12 m are packed in the same way as Sections DIN EN 13981-1 12.2 and 12.2.1, whereby instead of the crosspieces on the top and bottom, 80 mm long wooden frames are to be used at a distance of 6 m.

The wooden frames consist of two 80 cm long and adapted to the profile width

Disposable pallets on the top and bottom. If necessary, additional planks of wood are to be used on the sides.

Other types of packaging are possible, but must be agreed in advance with Stadler Rail's logistics department.

2.3 Packaging type C and D

For transport and interim storage, the profiles must be packed in reusable standard containers in such a way that they can be safely stacked without additional aids and are protected against damage, moisture and dirt.

The type of reusable standard container must be agreed with Stadler Rail's logistics department.