

Information sheet

Recycling of insulating profiles

**Insulating profiles
for windows, doors,
and facades.**

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Technoform Bautech is an environmentally concerned company and our German subsidiary is already certified according to ISO 14001. We always aim to find the best balance between environmental aspects and product requirements. For this reason re-use in-house of material composed of our Standard Polyamide PA 66 GF25, dry impact resistant is a tried and tested practice. We use almost 100 % of our production waste as internal re-ground material or regranulate and apply it in our production.

In-house recycling

In our extrusion process we can use in-house recycled material up to a level of 15 % while staying in range with our product specifications. Indiscriminate admixture of (or pure use of) returned material may not always be advisable as the mechanical properties and processability of recycled material diminish with every application, preparation and re-use. Technoform Bautech offers its customers to return profiles not required – provided they were supplied by us – for re-use in the extrusion process. Therefore, the profiles have to be in an appropriate condition.

Use of post-industrial/pre-consumer (PIR) PA 66

Post-industrial/pre-consumer polyamide 66 is widely in supply on the market but the total amounts are limited. We use only pure and near prime grade material in terms of quality, which is only a small share of the total available volume. Unspecified material from unsuitable sources is not used at Technoform due to the inherent risks. Nevertheless, a clear evidence of origin and a complete quality assurance documentation by the raw material suppliers is required.

Post-consumer waste from the aluminum window industry

The recycling of aluminum windows is becoming a predominant topic of window associations worldwide. Technoform Bautech is member of the German initiative Aluminium und Umwelt im Fenster- und Fassadenbau – A/U/F (Aluminum and environment in window and cladding construction – A/U/F). Their aim is the return of construction elements into the supply chain to produce new building components after renovation, dismantling or demolition of buildings. Currently there is no supply chain mechanism for returning insulating strips. We will closely investigate the use of these materials in collaboration with this initiative.

REACH-conformity:

When recycled material is used, regardless of origin, there is consistently the danger of contamination with materials which are not legal, or which are harmful for re-use.

In-house recycling material: There is no danger of contamination for our in-house recycled material (also stated in TBGroup-Do-TP1-12).

Post-industrial/pre-consumer (PIR) PA 66: REACH conformity must be ensured referring to respective material specifications with suitable suppliers and appropriate quality documentation.

We gladly offer our support should you have specific questions or problems.

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