

The limited guarantee hereinafter assumed by RODECA towards the customer is supplementary to the Seller's legal warranty for defects, leaving such warranty unaffected.

1.0 Subject of Guarantee

RODECA guarantees to the Buyer of multiwall sheets PC 16-5 up to PC 50-10 of the "longlife series" and produced by RODECA which have a minimum thickness of 16 mm and a minimum weight of approx. 2,50 kg/m², that during the complete guarantee period, the panels shall keep the qualities hereinafter referred to; the present guarantee, however, does not apply to any the accessories, in particular those accessories to be used for assembling the LBE panels; it is not to be understood as general system guarantee for the use of LBE and U panels.

1.1 Transparency

The UV protected surface keeps its transparency. 10 years after delivery, the loss of the degree of light transmission over the complete panel width is not higher than 8 % (eight percent) compared to the original sample, measured in accordance with EN 14500: 2008-8 at the average mean value over the complete panel width. The measurement is taken at cleaned panels. The surface must neither be scratched nor have further surface impairments due to other causes (e.g. chemical strains).

1.2 Breakage resistance

Breakage by hail within the meaning of this guarantee is defined as at least 5 holes at different points in the surfaces of the UV-protected outer side of the panel, produced by 10 shots during the hail simulation test. The hail guarantee is limited to a 20 mm diameter and a speed of 21 m/sec. If the holes produced such are > 20 mm in diameter, it is considered as proved that the hail diameter was > than 20 mm or that the speed was > 21 m/sec. In such cases, it is not necessary to carry out the hail simulation test and no guarantee claim is applicable. For the sake of simplification, the "small hard bodies" quick test in accordance with DIN EN 16153 is considered as sufficient proof.

2.0 Guarantee period

The guarantee period starts at the time of delivery ex works by RODECA to the client and ends after 10 years.

3.0 Material replacement

The extent of RODECA's guarantee obligation shall be limited as follows:

The guarantee does not exceed the value of the material delivered. In case of a justified complaint, RODECA shall be entitled at their own option either to replace the material ex works or to reimburse the purchases price. Follow-up costs shall not be borne. RODECA shall grant in case of

	loss of transparency	Breakage/hail
up to the 6th year	a 75 % replacement	a 50 % replacement
up to the 7th year	a 60 % replacement	a 40 % replacement
up to the 8th year	a 45 % replacement	a 30 % replacement
up to the 9th year	a 30 % replacement	a 20 % replacement
up to the 10th year	a 15 % replacement	a 10 % replacement

4.0 Guarantee conditions

4.1 The present manufacturer's guarantee can only be efficiently made use of if the following requirements are met cumulatively:

4.1.1 The panel was installed in an area in which the average solar radiation is not more than 1700 kW/m² per year. This applies without restriction to the following countries DE, GB, NL, BE, DK, CH, A, S, FIN, PL, SK, CZ, FL, L

4.1.2 The product was not exposed to a daily temperature difference of more than 80°C. Equally accumulation of hot air has to be avoided: the permanent/steady temperature within the panel chambers or in the space situated directly behind the panel must not be more than 105°C.

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4.1.3 The product must not be subjected to mechanical abrasion due to sand or wind, which is typical for desert areas, steppe and their surrounding areas.

4.1.4 The product was not affected by chemical substances, incompatible chemical material. It was not used in rooms or areas with chemical vapours or too high concentrations of chemical substances.

4.1.5 The product is fully paid.

4.1.6 The Buyer examined the product upon receipt of the same and advised RODECA in writing about possible defects within 1 week after detection, providing the original supplier invoice. RODECA was advised on rupture due to hail in writing, within 2 days after occurrence of damage.

4.1.7 The Buyer shall allow RODECA to inspect the rejected product.

4.1.8 The rejected product subject to the present guarantee was stored, transported, processed and installed in accordance with the technical information as provided by RODECA and with the DIN standards applicable at the time of delivery.

4.1.9 The product subject to the present guarantee was used under common conditions.

5.0 Exclusion of liability

No guarantee shall be granted if the defect has come into existence due to violence, unqualified use or force majeure, with the exception of hail. In particular, unqualified use means the non-observance of the following measures:

5.1 The panels have to be installed in an expert manner without tension, in accordance with RODECA's instructions. Planning laws and building regulations must be abided by.

5.2 Neither scratches nor bulges may come into existence when using the panels.

5.3 Inappropriate connection, fixing and sealing elements must not be used.

5.4 Neither incompatible glues nor incompatible sealants may be used.

5.5 Only the UV protected surface of the panels may be exposed to external weathers.

5.6 The panels must be cleaned regularly using appropriate, cleaning agents suitable for polycarbonate.

5.7 The minimum admissible cold-bending radius depends on the relevant type of panel and must be abided by (also refer to specification sheets).

5.8 The panels must not be thermally formed.

6.0 Replacement

In case of replacement in accordance with section 3 of the present guarantee, the Buyer may only assert any claims from the present guarantee with regard to the supplied replacement within the guarantee period still available at the time of delivery. The notification of loss does neither stop nor interrupt the guarantee period.

7.0 Miscellaneous

7.1 All legal relations arising between the parties from this contract are governed by German domestic law.

7.2 Legal venue for all claims arising from the present guarantee is Mülheim an der Ruhr/Germany.

Mülheim, 7/2019