

Future technology
applicable

TANU[®] pur



Polyurethane *systems* for your application

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Making future technology applicable -

means for PCC Specialties to monitor the global trend in the polyurethane industry and to develop innovative systems for new technologies at an early stage. Whether you are interested in reducing the thermal conductivity or to create a pleasant feel, we are your partners!

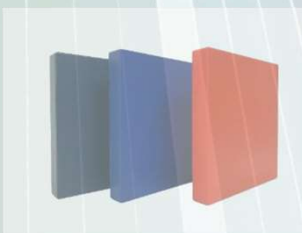
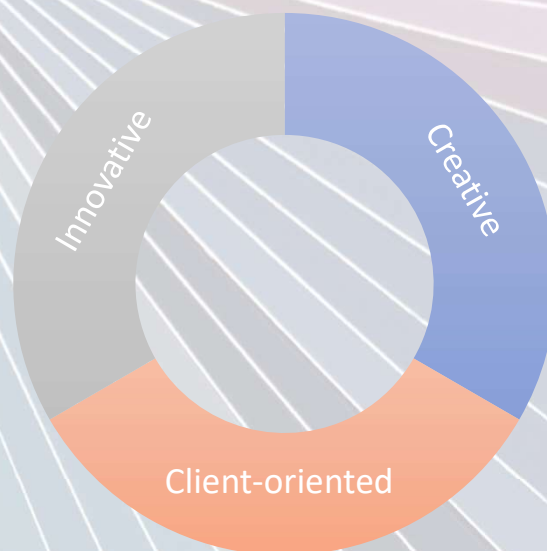
The range of properties of our systems is based on common standards and customer-specific requirements.

We attach great importance to individual advice and, if necessary, adapt the formulations to meet your exact application needs.

We attend and support you in respect to the challenges you might face in the polyurethane industry.

We are looking forward starting a mutual dialogue with you.

Please contact us !



Polyurethane systems for your application

Polyurethane Rigid Systems*

Description	λ_i at 10° C [mW/m*K]	Compressive strength σ_{10} [kPa]	Dimensional- stability	Core-density ρ_c [kg/m ³]	Remarks
TANU® pur RM 1008 CF SF	25	> 250	48 h ≤ 90 % RH + 70° C without RH - 25° C	> 50	Particularly suitable for heat and cold insulation of tanks and containers. Suitable for longer reaction times.
TANU® pur RM 1004 HD	25	> 800	48 h without RH + 120° C without RH - 30° C	> 90	Particularly suitable for high density moulded parts with high temperature requirement (> 100° C).
TANU® pur RD 4079 B3	25	> 180	48 h without RH - 30° C without RH + 40° C	> 40	Especially suitable for discontinuous applications with B3 requirement.

Polyurethane Integral Systems*

Description	Shore A hardness	Density of mould parts [kg/m ³]	Tensile strength [kPA]	Elongation at break [%]	Remarks
TANU® pur IK 2007	> 35	> 300	> 2,000	> 85	Flexible polyurethane systems with pronounced skin for e.g. protective cushions, armrests, handles.
TANU® pur IT 2004	> 30	> 300	> 2,000	> 100	Flexible polyurethane systems for technical applications with high mechanical requirements.

Ekoprodur HFO Systems*

Description	λ_i at 10° C [mW/m*K]	Compressive strength σ_{10} [kPa]	Dimensional- stability	Core-density ρ_c [kg/m ³]	Remarks
EKOPRODUR WH 4001	20	> 250		> 40	Particularly suitable for insulating hot water tanks with low thermal conductivity.
EKOPRODUR DCP 2008	21	> 400	24 h ≤ 95 % RH + 70° C without RH - 30° C	> 40	Especially suitable for discontinuous applications, e.g. insulation boards or cooling devices.

*The illustrated systems show a selection of our products. The properties were determined by hand mixing in the laboratory and may differ under other conditions.



About us

PCC Specialties is your problem solver, niche supplier and business partner for tailor-made products. We focus on research and development, technical service and sales of chemical specialties.

We do research on novel products for

- modern polyurethane systems
- sustainable paint and coating systems
- innovative adhesives
- lubricants for future mobility

You can access our qualified team of experts and draw upon their broad know-how and competence. We offer you:

- Formulation and process expertise
- Technical service and simulation of solutions
- High degree of flexibility and quick development

Making future technology applicable.

Our portfolio of polyurethane systems

- Water-blowing systems
- Formic acid-blowing systems
- Pentane-blowing systems
- HFO-blowing systems
- Solutions for insulation, comfort and technical components



Contact

Alexander Töws, Sales Manager

PCC Specialties GmbH
Suedstrasse 13
47475 Kamp-Lintfort
Germany

Phone: +49 (0) 2842 12187 0
Fax: +49 (0) 2842 12187 299
E-mail: specialties@pcc.eu
Internet: www.pcc-specialties.eu



Paints & Coatings



Adhesives



Lubricants



Polyurethane Systems