

altropol

Composites

Laminating and Infusion Resins
Gel Coats and Special Adhesives



NEUKADUR Composite Products

- Gel Coats
- Laminating and infusion resins
- Laminating pastes
- Release Agents
- Adhesives
- Accessories

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NEUKADUR Gel Coats

Product	Special features and important properties
NEUKADUR O-Paste black	abrasion-resistant, metallic, heat-resistant
NEUKADUR O-Paste Alu	mirror-polished surfaces, heat-resistant
NEUKADUR O-Paste white ZH	grindable, solid edges, mineral-filled
NEUKADUR O-Paste white K	grindable, mineral-filled, resistant to alkalis
NEUKADUR O-Paste blue AF new	smooth, hard, high abrasion-resistance
NEUKADUR O-Paste 105	for mould making, metallic, heat-resistant, very smooth, workable / machinable
NEUKADUR KP 105	linked gel coat, mineral filled, heat-resistant, contains glass fibres

NEUKADUR Laminating and infusion resins based on epoxy

Product	Special features and important properties
NEUKADUR EP 202	low-viscous multipurpose resin, different pot lives possible
NEUKADUR LH 276	laminating resin for CFRP, SRP and GFRP, low mixed viscosity
NEUKADUR EP 571	multipurpose resin for universal use, high TG
NEUKADUR EP 270	heat-resistant resin for thick-layer laminates
NEUKADUR EN 401	special laminating resin with high TG > 150 °C for GFRP and CFRP
NEUKADUR LH 90	prefilled with slightly thixotropic adjustment, low-odour
NEUKADUR EP RF 200	foamsystem, adjustable pot-life, low shrinkage
NEUKADUR EP RF 250 F	foamsystem, adjustable pot-life, low shrinkage, self-extinguishing properties
NEUKADUR EP 986	infusion resin, clear, low viscosity, carbamat-free system, different pot lives, neutral odour
NEUKADUR EN 1072 mod. 1	high heat resistance - TG 160 °C, good impregnating and wetting properties

NEUKADUR Laminating pastes based on epoxy

Product	Special features and important properties
NEUKADUR LP 285	of long fibers, glass-fiber reinforced, smooth, up to 25 mm thick
NEUKADUR LP 722	blended fiber (glass / natural fiber), very smooth, up to 25 mm thick
NEUKADUR LP 130	of long fibers, outstanding HDT (130 °C), up to 25 mm thick
NEUKADUR LP 900	blended fiber, extra light weight, low odour, up to 25 mm thick



NEUKADUR Release Agents

Product	Special features and important properties
NEUKADUR Release Agent SE	liquid - based on wax, fast degassing
NEUKADUR Release Agent TW	pasty - based on wax
NEUKADUR Release Agent P 6	spray can, based on wax
NEUKADUR Release Agent HT	spray can, based on wax, up to 140 °C temperature resistance
NEUKADUR Release Agent SPT	spray can, based on solvents, semi-permanent
NEUKADUR IMC Varnish	2C-varnish for coating of CFRP and GFRP component parts, used in in-mould coating process or via spray coating, transparent / UV-stable

NEUKADUR Adhesives

· Epoxy-adhesive · PUR-adhesive · Methacrylate-adhesive · PMMA-adhesive

Product	Special features and important properties
NEUKADUR KL 65	based on epoxy resin, yellowish, fluid, 10 Min. processing time, adhesive for tooling boards
NEUKADUR KL 69	based on epoxy resin, brown, 10 Min. processing time, patching compound for tooling boards
NEUKADUR PN 641	based on polyurethane, beige, 7 Min. processing time, for metals, wood, rigid PU foam, tooling boards
NEUKADUR EP 012	based on epoxy resin, yellowish, 90 Min. processing time, for metals, glass
NEUKADUR EP 013	based on epoxy resin, yellowish, 4 - 8 Min. processing time, for metals, glass
NEUKADUR EP 050	based on epoxy resin, black, 90 Min. processing time, for ABS, CFRP
NEUKADUR PU 001	based on polyurethane, black, 1 - 2 Min. processing time, filling, sealing
NEUKADUR PU 005	based on polyurethane, black, 5 - 10 Min. processing time, filling, glueing
NEUKADUR PU 020	based on polyurethane, black, 20 Min. processing time, filling, glueing, pattern making, prototyping
NEUKADUR PMMA 022	based on methacrylate, natural + black, 4 - 6 Min. processing time, ABS, metals
NEUKADUR Spray Adhesive VP	high-performance spray adhesive, high yield (approx. 1,3 qm / 100 ml), not causing spray, for reinforcement- and core materials

NEUKADUR Accessories - Vacuum Infusion Technique

e.g. glass fabric, glass fiber mat (Flow-Mat), biaxial-glassfabric, glass strands, biaxial-carbonfabric, carbon-corner reinforcements, peel ply, vacuum bag film, spiral hose, sealing tape (Tacky Tape), flow aid, hose clamps.
NEUKASIL SN 2907 Silicone Rubber mastic for production of compression dies.

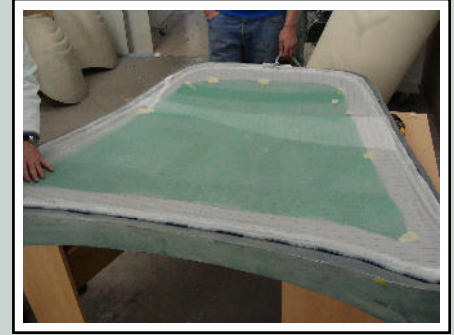
Vacuum Infusion Technique - step by step



1. Draping Biaxial-glassfabric



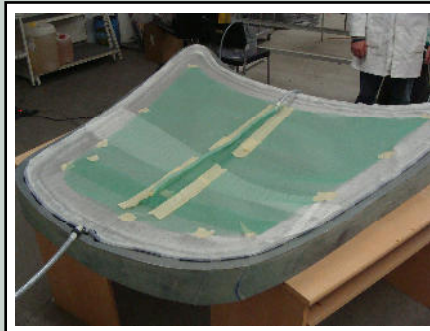
2. Draping Biaxial-carbonfabric



3. Applying peel ply, spiral hose and flow aid



4. Attachment of resin feed



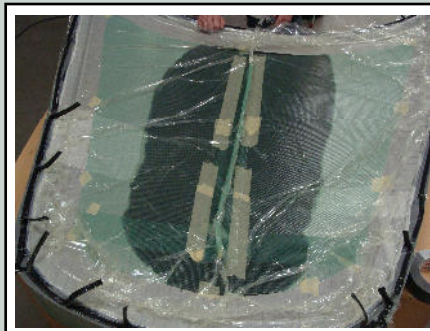
5. Attachment of resin feed



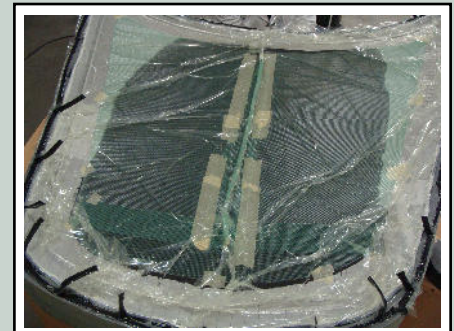
6. Attachment of vacuum bag film



7. Starting resin infusion



8. Resin infusion



9. Resin infusion nearly completed

Altropol also provides NEUKADUR casting compounds, NEUKADUR polyurethanes (fast cast resins filled and unfilled, casting compounds, elastic systems, RIM-Systems, vacuum casting compounds), NEUKASIL RTV two component silicone rubber systems (condensation – and additon cured), NEUKAPOL green polyols based on renewable raw materials, auxiliary materials, fillers and release agents and AltroColor color pastes.

The above mentioned products are standard products. On request, we have a large number of further products and modifications as well as variations of the pot lives and processing times at your disposal. For more detailed information on the Altropol products, please refer to the specific technical data sheets which you can also download in the internet under www.altropol.de. You can of course also get in direct contact with us. Our application engineers will be well prepared to assist you on site and to answer your questions regarding all the other products of Altropol.



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