

AB-PAC®

The green alternative to conventional polyester systems

POLY-ACRYLICS



AB-POLYMERCHEMIE GmbH
Quality and Competence

A persistent search for new ways is necessary to fulfil our responsibility for health and environmental protection. The chemical industry has always had a pioneering role in developing new technologies. And ABP-Coatings has always been at the front.

Since its founding in 1997, the AB-Polymerchemie as an innovative and independent company has made a good name for itself in the development and manufacture of products for floor coatings and sealings based on polyurethane and epoxy resins. Our professionals have more than 35 years of industry experience. Short distances, high quality standards, permanent innovation and user-friendly product solutions are the key-elements of our success. Products and services from ABP are in demand world-wide today and international trading partners as well as the important, future-oriented joint venture in India (Chowgule ABP Coatings) secure our company and references all over the world are our advertising.

Currently 40 highly skilled and dedicated employees, of which 12 on R&D, belong to the core team of ABP. ABP always thinks and acts customer- and future-oriented. For this reason we provide in our facilities in East-Frisian Aurich (D) trainings both in the chemical as well as in the commercial area.

From our beginnings, we have searched for alternatives to doubtful raw materials or known environmental pollutants. Therefore alkyl phenols were excluded, solvents (VOC's) were reduced to nearly zero and allergenic raw materials were replaced. We've always been acting and not reacting! Therefore we are proud to introduce a new, innovative technology once again:

The basis for the new **AB-PAC®** technology is radical curing of unsaturated Poly - Acrylics, but without the classical disadvantages and extreme odours of conventional styrene and / or MMA-containing UP/VE systems. The range of possible applications reaches from industrial applications to construction products.

The world's first floor coating based on this special technology, **AB-PAC® 6460**, is available for our long-standing professional partners and strengthens our commitment to quality and competence.



Another, highly innovative application of the **AB-PAC®**-technology is the composite technology. The first product for serial production, **AB-PAC® 6680** "In-Mould-Coating", was presented at the „Composites Europe“ trade fair in September 2015 in Stuttgart. The first of its kind!

Do you also want to build reliable and sustainable? Take a closer look at high quality products "Made in Germany" by ABP-Coatings. Further applications and new developments will follow. Expect further surprises!

Kind regards, your **ABP - Team**

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There is no reason to speak any more about styrene, vinyltoluene or MMA and how to use it careful, safe and environmentally friendly. ABP-Coatings offers the ecologically friendly **AB-PAC®** - product range with high-performance products as alternative:

- acrylic-, alkyl modified polyester product
- styrene, vinyl toluene and even MMA-free
- solvent free (VOC < 1 %)
- low-odour
- low-shrinkage
- excellent UV-resistance
- very high hardness
- chemically and mechanically high resistant
- very low emission (< 1 % at 85 °C for 72 hours)
- reactivity is adjustable
- available in spray and hand applied quality
- cures with standard MEKP systems
- hardly inflammable until self-extinguishing
- in case of fire low smoke (whitish)
- no significant hazard identification

PACTYLAN®

designed for industrial applications for example IMC / gelcoats with high gloss and usual workability in special boat building, plumbing, plant and vehicle construction, rotor blade manufacture or easy-to-use laminating resins.

<u>available products:</u>	2-C-Poly-Acrylic RTM / injection resin:	PACTYLAN® 6507
	2-C-Poly-Acrylic LR / laminating resin:	PACTYLAN® 6569
	2-C-Poly-Acrylic IMC / gelcoat:	PACTYLAN® 6680
	2-C-Poly-Acrylic IMC / gelcoat:	PACTYLAN® 6680 HV

PACTYLON®

designed for industrial floorings with silk matt surface, already after 5 hours curing at 18 - 20°C mechanically fully loadable!

<u>available products:</u>	2-C-Poly-Acrylic primer:	PACTYLON® 6002
	2-C-Poly-Acrylic coating:	PACTYLON® 6460
	2-C-Poly-Acrylic textured topcoat:	PACTYLON® 6483

Conventional UP-systems require a high effort on personal protection, extraction and disposal because of their emission and loss of approximately 6 - 10 % styrene.

As **AB-PAC®** does not contain any low volatile reactive monomers, but high performance acrylics, it has nearly no emission. **PACTYLAN® / PACTYLON®** comes with the same properties of traditional products with the additional benefits of excellence in hardness, UV-resistance and tack free-time and, of course, in personal and environmental protection.

The better becomes the enemy of the good!