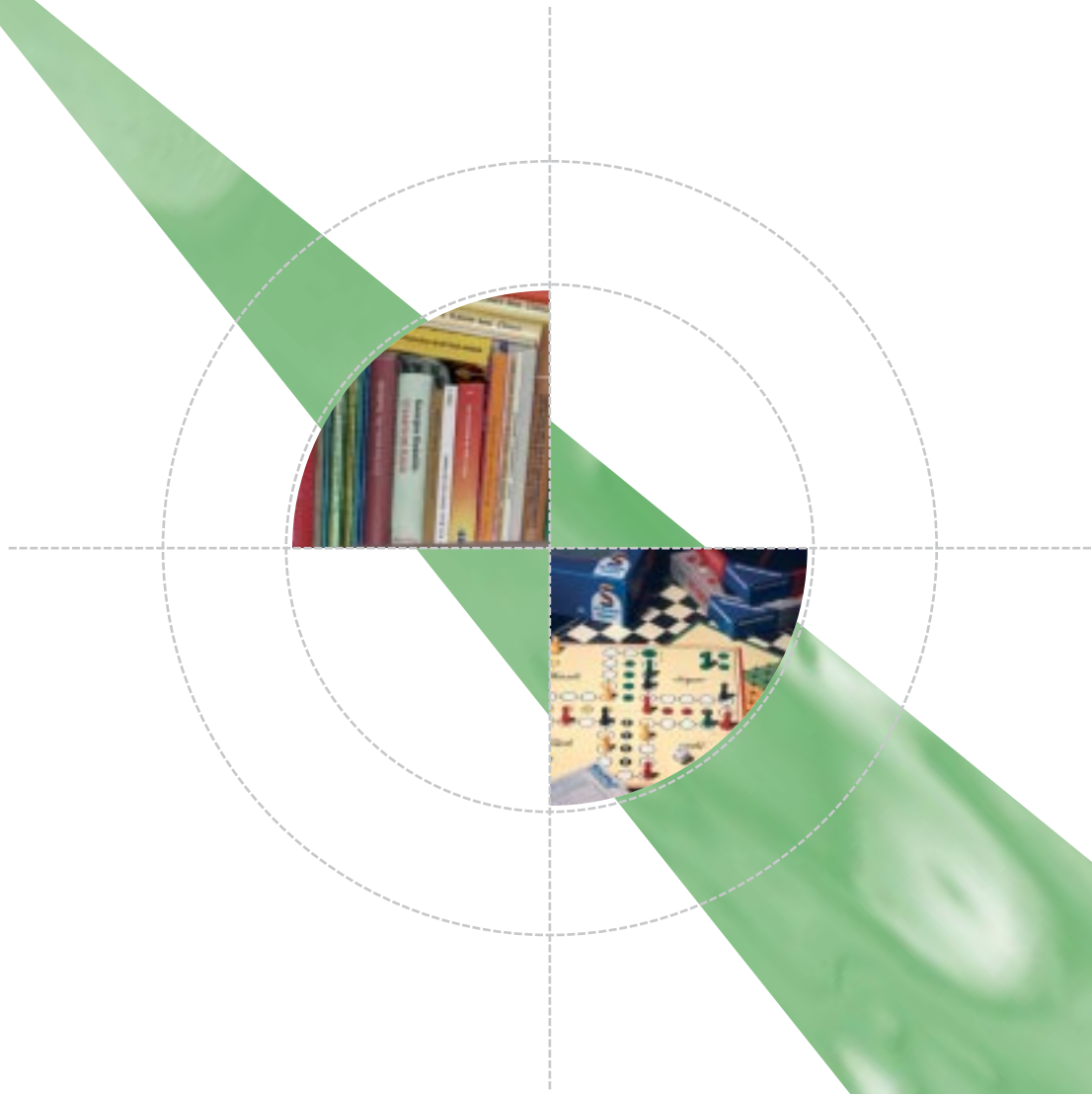


Tradition
Innovation
Ecology



STRONG BRANDS:
PLAKAL · GELTACK · GELBOND · MATCHTACK

PLAKAL – THOUSAND-YEAR TECHNOLOGY

PROTEIN ADHESIVE

The secrets of the world's oldest civilisation have still not been completely solved. What the ancient Egyptians have left us has lasted and is unsurpassed today. Example 1: the pyramids, example 2: papyrus, example 3: hide glue. Four thousand years later, the modified protein adhesive PLAKAL is the number one choice in the graphical art and paper converting industries when reliability and high bonding strength are needed.



NATURAL FROM START TO FINISH

PLAKAL is based on renewable raw materials. PLAKAL is a jelly glue consisting primarily of protein and other quality additives giving it its required properties. The components of the formulation are virtually 100% biodegradable. They have no negative effects, either economic or ecological, on the recycling of paper or cardboard. "Stickies" are not formed.

REACTS LIKE A HOT MELT, STICKS LIKE A DISPERSION

Forty years ago Fritz Häcker developed the modified protein adhesive, a high-polymer, physical bonding in the form of jelly glue. Under the name PLAKAL the product quickly gained acceptance in the graphical art industry. By developing innovative formulations with suitable additives the Häcker specialists optimised in the course of the years PLAKAL products for practically every application and machine type. PLAKAL's stable formulations mean that it can also be used at high temperatures and in high air humidities with little loss in productivity. This, of course, needed close cooperation with the machine manufacturers.

ONLY ONE "SOLVENT" – "TSG" SOLVES THOSE PROBLEMS!

The foreground is dominated by the person. The background, too. Behind every PLAKAL product is Häcker's Technical Service Group, persons who do not leave the user out in the cold, who look for solutions as to where a product must be modified, who investigate on site what can help the customer. Our strength – wherever you read PLAKAL, there is a person behind it as well.

NATURAL ADHESIVE? WHAT ELSE!

- adapted to the latest machine generations
- simple and clean application even with high work cycles
- universal application – even in extreme climatic conditions
- high initial strength even before it has completely set
- even higher final strength after setting
- elastic, stress-free setting
- no swelling or waving of paper
- zero health risks also during processing
- biodegradable and highly recyclable
- price-performance ratio that holds its own

PLAKAL – USED ALL OVER THE WORLD FOR STRONG BONDS

Leading machine manufacturers recommend PLAKAL on the strength of its superior processing advantages based on customised formulations for particular applications and machine types.

PLAKAL 3 Series: Machine made book-case production on mid- to high-speed equipments (manufacturers HÖRAUF, KOLBUS, etc.)

PLAKAL 8 Series: Bonding book spines, and head banding (manufacturers KOLBUS, VBF, etc.)

PLAKAL 5 Series: Suitable on machines for grey board and flat panel lamination, ring binders and box covering (manufacturers Crathern, Emmeci, Perondi, Rebord, Tünkers, etc.)

PLAKAL in powder form: For economical usage in lamination applications (manufacturers Tünkers, etc.)

BOOKS – PLAKAL MAKES THE COVER

PLAKAL products are used not only in large-scale bookbinderies, but also in bookbinding workshops producing book covers. A wide range of high-quality jelly glues helps to shorten work cycles on fast machines. Also heavy cover materials are no problem. The result is enhanced productivity in the production of book covers.



BOOKS – PLAKAL STRENGTHENS THE SPINE

Bookbinders today are (mostly) book gluers. And PLAKAL users. When the spines of weighty tomes have to be glued and backed up professionally, PLAKAL holds together what belongs together. And that includes the head banding.



BOXES – A NEW DIMENSION WITH PLAKAL

PLAKAL creates space for more content. Only high-quality lamination can yield decorative packaging from cut and folded cardboard, makes a 3 dimensional product from a 2 dimensional one. And PLAKAL helps with adhesive power and clean processing.



LAMINATION – LESS WATER FOR EXTREME FLATNESS

PLAKAL is used by manufacturers of board games, folders, and displays and everywhere else large areas have to be laminated.

PLAKAL contains less water than dispersions. In addition, its physical properties retain moisture, releasing it in a delayed process. The bonded substrates must therefore absorb less water. The result is flatness free of distortion, the crucial quality criterion for large-area lamination.



Fritz Häcker ...



Innovative by tradition

... the modern-day traditional company with over 100 years of corporate and over 4000 years of technological history. ■



Personally there for you

... the medium-sized, unaffiliated company with the short routes and fast decisions. ■



Naturally ecological

... the company operating on a sustainable basis, refining exclusively renewable, natural raw materials based on protein. ■



Far ahead

... the company close to the market, providing innovative answers to many issues on ecological bonding. ■



Your advantage

... service and customer benefits are what we demand from ourselves. ■

Operating all over the world

... one of the world's leading manufacturers of protein adhesives – and thanks to our tight sales network close to you too. ■

... for a top Tack



Fritz Häcker GmbH + Co. KG
Im Holzgarten 18 · D-71665 Vaihingen
Tel. +49 (0) 70 42 / 94 62-0 · Fax +49 (0) 70 42 / 9 89 05
e-mail: info@haecker-gel.de · Internet www.haecker-gel.de