

PRISMA

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Your invitation to the trade fairs

- FARBE – AUSBAU & FASSADE in Cologne
- BAUMA in Munich



WE KEEP THINGS MOVING



NEW PFT PRODUCTS

2007

... get that
RITMO-Feeling!

PFT RITMO powercoat

The innovation in mixing and spraying technology. The machine-application of filling compounds will revolutionize interior construction.



PFT SAMBA XL

The PFT SAMBA XL is a highly flexible spraying machine for a large variety of pasty materials, such as emulsion plasters, paints and fillers.



PFT QUICKLI II

The second generation of PFT's smallest conveying pump is ideally suited for the application of pasty materials. The PFT QUICKLI II is a handy machine with electronically and infinitely variable 1.5 kW direct drive.



**Farbe –
Ausbau &
Fassade 2007**



In April 2007, PFT will exhibit a large number of important new products and innovations at two major trade fairs.

From 18 to 21 April 2007, PFT will present new developments at the paint fair FARBE - AUSBAU & FASSADE in Cologne.

You will find the joint presentation of the Knauf Group at the FARBE 2007 in Hall 7, Stand D 020 / F 029.

From 23 to 29 April 2007, PFT will then exhibit the latest innovations in machine technology at the construction machinery fair BAUMA in Munich.

We would be pleased to welcome you to PFT's Caribbean Pavilion at the BAUMA 2007, located in the Open-Air Area F9, Stand 907/3.



PFT LOTUS XL

Thanks to its great advantages, the new PFT LOTUS XL continuous mixer will revolutionize mixing technology. Numerous rubber parts help to minimize wear.

PFT ZP 3 XL

The powerful conveying pump with an infinitely variable capacity of up to 120 l/min.



PFT ZP 3 XXL

200 l/min – No problem with this powerful conveying pump from PFT! The PFT ZP 3 XXL is the right choice when very high conveying capacities are needed.



PFT SILOMAT trans plus

Simple, quick and efficient - the new PFT SILOMAT trans plus is very compact and easy to transport. PFT's newest pneumatic conveying system combines superb design with high performance.



Visit our stands at the trade fairs and get that RITMO feeling!

From 18 to 21 April 2007, **PFT** will present its newest developments for the painting trade at the exhibition FARBE - AUSBAU & FASSADE in Cologne.

A Möbius strip forms an arena symbolizing the unity of the Knauf Group.

At the Knauf Stand, we will show you the easy handling of our two new machines PFT SAMBA XL and PFT RITMO powercoat in theory and practice.

The map illustrates the layout of the exhibition grounds for FAF 2007. The exhibition halls are numbered 1 through 11, with Hall 7 highlighted in orange. The map shows the location of the Knauf Group, indicated by a red circle. Key features include the Hauptbahnhof Central Station (DB S), the Rhein river, the A3/A4 highway, the A57 Zoobrücke, the Messeallee Nord and Süd, the Messeplatz, the Messe-Kreisel, the Eingangs Nord (Entrance North), the Eingangs Mitte (Entrance „Mitte“), the Eingangs Süd (Entrance South), the Dom Cathedral, the Deutzer Brücke, the Opladener Straße, the Justiniustrasse, the Kölnarena, and the A4, Aachen, A59, Flughafen Köln/Bonn Airport Köln/Bonn. The map also shows the location of the Knauf Group, indicated by a red circle.

PFT will start the practical demonstrations of its new machines, performed four times daily, with the slogan "get that RITMO feeling with us".

the market in the course of the years. Let yourself be enchanted by the Caribbean atmosphere of PFT's appearance at the exhibition. We are looking forward to your visit!

The location of PFT's Caribbean Pavilion:
Open-Air Area F9, Stand 907/3

- | | | | | | | | | | |
|---|--|---|---|---|--|---|-------------------------------------|---|---|
|  | Baugeräte und -werkzeuge, Baustelleneinrichtungen, Schalungen, Gerüste, Schalungszubehör
Construction equipment and tools, site installations, formworks, scaffolding and accessories |  | Maschinen und Anlagen zur Herstellung zement-, kalk- und gipsgebundener Bauelemente und zur Bearbeitung von Naturwerkstein, Betonaufbereitung, Baustoffprüfsysteme
Plant and machinery for producing cement-, lime- and gypsum-based components and for tooling natural stone, concrete mixing, control systems for building materials |  | Erd-, Straßen-, Stollen- und Tunnelbaumaschinen, Aufbaufahrzeuge, Hebezeuge
Compaction equipment for earth-works and road-building, machinery for the construction of galleries and tunnels, construction vehicles and lifting equipment |  | MINING
mit / with
bauma Forum |  | Gemeinschaftsstand „Forschung live“
Joint Presentation "Research Live" |
|  | Maschinen und Anlagen für die Betonstahlbearbeitung
Plant and machinery for processing concrete-reinforcing steel |  | Maschinen und Anlagen für die Zement-, Kalk-, Gips-, Sand-, Ton-, Kies- und Schotterindustrie, Baustoffrecycling
Plant and machinery for the cement, lime, gypsum, sand, clay, gravel and crushed stone industry and for recycling building materials |  | Antriebstechnik, Fluidtechnik, Ausrüstungen und Verschleißteile für Baumaschinen und -fahrzeuge, Baupumpen
Drive systems, fluid engineering, equipment and replacement parts for construction machinery and construction vehicles, construction pumps | | |  | Sonderschau „Computer am Bau“
Special Exhibition "Computers in Construction" |
| | | | | | | | |  | Freigelände
Open-air area |



NEW IN 2007

Ready-to-use gypsum fillers are the products of choice for surface repairs, large-scale surface filling and the creation of high-quality surfaces or very fine spray plaster structures. And when applied with the right machine, these materials are particularly interesting in terms of economic efficiency.

Mechanical Filling Fun with the PFT SAMBA XL

The optimal combination of material and machine permits the creation of high-quality surfaces of Grades Q 3 and Q 4 (smoothed), as defined in various codes of practice for large-scale surface filling or coating.

Airless Spraying Machine PFT SAMBA XL

When fillers are to be applied to large surface areas, PFT's new airless spraying machine, the PFT SAMBA XL, will ensure high performances, thanks to an efficient, fast and uniform application of the material in top quality. In drywall construction, Q 3 or, quite often, even Q 4 is required. This is



After spray-application, the surface has to be carefully smoothed with a finishing spatula to ensure a high surface quality..

a chance for good contractors. They are the ones who guarantee proper workmanship and are able to individually select the most economical approach. If e.g. 2,000 or 5,000 m² in Q 3 are required, it will make sense, after successful Q 2 surface filling, to uniformly, finely and, above all, quickly spray-apply a ready-to-use gypsum filling compound, such as Knauf Readygips, in the airless technique with the PFT SAMBA XL and accurately smooth the coat. After the material has dried, only a few ridges, if any, have to be ground off, and then the high-quality surface is complete. Performances of 1,000 m² per day, and more, are nothing special for a three-man team working with the PFT SAMBA XL. Thanks to this gain in efficiency, the investment in PFT's powerful airless spraying machine will quickly pay off.

Q 4 – No Problem

If Grade Q 4 is required, a two-layer technique will have to be used: First, a filler layer approx. 1 – 2 mm in thickness is uniformly sprayed onto the surface in an airless procedure and carefully smoothed with the aid of a finishing spatula or a plasterer's float. After the first layer has dried, ridges and tool

marks are ground off, if necessary. Then another thin layer is spray-applied, smoothed, and finally ground, as far as needed. And again PFT's new spraying machine will help to achieve high performances. PFT offers the appropriate equipment for effective surface filling - the PFT SAMBA XL airless spraying machine. This piston pump, supplied with 230 V alternating current, can be used to spray-apply ready-to-use gypsum fillers (e.g. Readygips), paints, primers for high suction surfaces and many other materials. Thanks to this efficient application system developed by PFT, large-scale surface filling will be not only economically interesting, but almost a fun factor. ■



The innovation in mixing and spraying technology. The machine-application of fillers with the new PFT RITMO powercoat will revolutionize interior construction.

PFT RITMO powercoat for the Machine-Application of Filling Compounds



NEW IN 2007

YESTERDAY - Manual Labour

In the past, the mixing of filling compounds involved a lot of work steps that had to be done by hand: Opening the bags, filling the mixing tub with water, adding the dry material in portions, and finally mixing the material until the desired consistency was reached. Then the filler was applied to walls or ceilings in a laborious procedure. This method was hard, exhausting and time-consuming.

TODAY - Mechanical Support

Nowadays, these tasks can be performed much more easily, quickly and efficiently – thanks to the new PFT RITMO powercoat. After a few minor preparations, the powdered filling compound can be mixed with water by the machine and spray-applied to the surface.

PFT's new machine will revolutionize mixing and spraying technology. We have equipped the well-proven PFT RITMO mixing pump with an innovative remixing system made of stainless steel and rubber. For the first time, the lumps that the mixture usually contains can be mechanically crushed - thanks to this unique remixer. The result is a thin, homogeneous material suitable for spraying. Until now, the material had to be laboriously mixed by hand, using a trowel, to obtain this consistency.



Machines Are More Efficient

A direct comparison of manual labour with the use of the PFT RITMO powercoat clearly shows how efficient this new machine is. The special spray gun, 1,500 mm in length, which is part of the standard equipment,

offers the greatest savings of time, money and labour. With this spray gun, materials can be applied to ceilings located at a height of up to approx. 3.10m directly from the floor, so there is no need to put up a scaffold. That alone helps to save money. The "acrobatics" performed when using a mobile scaffold are also uneconomical. Besides, the quality of the resulting "patch-work" coating will not be satisfactory. Lots of good reasons for the machine-application of filling compounds. ■



The innovative PFT RITMO powercoat combines all the advantages of the well-proven PFT RITMO standard version with a new and unique remixing system.



NEW IN 2007

Thanks to its great advantages, the new PFT LOTUS XL continuous mixer will revolutionize mixing technology.

PFT's New Generation of Mixers – the Continuous Mixer PFT LOTUS XL

PFT proudly presents a new generation of mixers. As the name already indicates, the new LOTUS mixer family is characterized by an exceptional cleaning behaviour.

Numerous new rubber parts, such as the modern rubber dosing zone and the sturdy removable rubber mixing tube, have been added, so that the machine is much easier and many times faster to clean.

The residual material zone has also been improved in terms of cleaning behaviour. Thanks to the new swinging drive unit, this zone is now easier to clean, and thanks to the optimized dry area, almost no residues will remain in this zone after work. This means that no material is wasted.

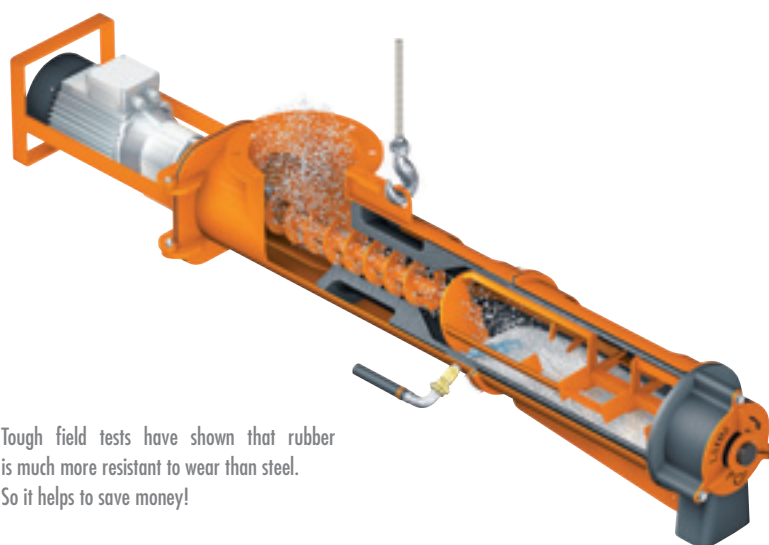
The revolutionary dosing and mixing shaft of the new PFT LOTUS XL is unique. It is made as one unit without a central axle. This design sets new standards: It prevents the adherence of material and makes the cleaning procedure easier and faster than ever.

Customized Attachment of the Control Unit

Another innovative feature of the PFT LOTUS mixers is the option to attach the control unit according to the customer's needs. The separate control unit with integrated water fittings and external safety switches can be attached either directly to the machine or to the container. The water fittings cabinet with integrated water pump can be separated from the control cabinet without the use of tools. And the PFT LOTUS XL mixers are available in 230 V and 400 V versions.

The turnable dosing shaft segment is particularly economical, because it can be used twice. When one side is worn out, the dosing shaft segment is simply turned by 180° and used once again. This means that its service life is now twice as long as before!

The new PFT LOTUS continuous mixers offer state-of-the-art machine technology in a robust design and "keep things moving" at construction sites all over the world. ■



Tough field tests have shown that rubber is much more resistant to wear than steel. So it helps to save money!

At a construction site in Turkey, the PFT ZP 3 S conveying pump proved that it can also be used as a plastering machine.



PFT Equipment “Shapes” Rocks in Turkey

In Turkey, a new chapter has been added to PFT's success story. PFT machines have proved that they are suitable not only for the application of simple gypsum and cement-based products, but also for special jobs requiring enormous effort. Turkish contractors preferably use the PFT ZP 3 S conveying pump. Thanks to its sturdy design and good pumping properties, this machine is very popular. And the fact that cement-based materials with grain sizes of up to 8 mm can be pumped as far as 40–50 m also ensures high customer satisfaction.

PFT ZP 3 S together with a PFT LK 604 air compressor. This combination allows them to convey and spray their materials at the same time, so that the PFT ZP 3 S is used as a kind of “plastering machine”.

The PFT ZP 3 S conveying pump is definitely the best-suited and most reliable machine for Turkish contractors, especially in central, eastern and southern Anatolia and in the Black Sea region, where mainly traditional plastering methods are used and climatic and working conditions are often difficult.

In this case, the Turkish PFT Branch supplied two PFT ZP 3 S pumps to Misart Yapay Kaya Ltd. Sti in Turkmenistan. This firm had been charged with the construction of rocks in an amusement park.

The builders were highly satisfied with these PFT machines, which allowed them to quickly complete their job, economically use their materials and save a great deal of labour. ■



The two PFT ZP 3 S pumps greatly facilitated the construction of artificial rocks.

Mahmut Kiran, Director of the PFT Branch in Ankara, frequently offers his customers the

Artificial Rocks Attract Visitors

In the last few years, decorative artificial rocks have been built in numerous Turkish holiday villages, water parks and leisure parks. Entire waterfalls, caves, canyons and ponds have been created in this way. The substructures of these artificial rocks are usually made of box-type sections covered with plaster mesh. With the help of a PFT ZP 3 S conveying pump, a cement-based material can then be applied to this structure. While this material is still moist, the desired rock formations are shaped.



The artificial rock material was applied to the substructure with the aid of the PFT ZP 3 S.



The main benefit of the PFT RITMO mixing pump is its high flexibility.

Coating, Doorframe Plastering, Renovating – PFT RITMO Shows Us What It Can Do



Liquid wood-chip wallpaper was efficiently sprayed onto the ceilings.

Claus Petershofer and the workers of his painting and plastering firm dp dämmen & putzen GmbH, based in Weilheim (Germany), are highly satisfied with the handy PFT RITMO mixing pump.

Since its establishment in 1990, this small painting firm has worked with PFT machines. A PFT G 4 – Europe's mixing pump no. 1 – has been part of its equipment right from the beginning. Later on, a PFT HM 2002 horizontal mixer and a PFT N 2 conveying pump were purchased. For over 15 years, the business has successfully cooperated with its PFT partner trader Hopper & Ostermeier GmbH, based in Sauerlach near Munich.

In 2006, a PFT RITMO was bought, and the four tradesmen of dp GmbH were instantly convinced of its advantages. Now that this 230 V mixing pump has been used for about one year, Mr. Petershofer is most impressed by its flexibility.

Coating with Liquid Wood-Chip Wallpaper

Within a very short time, the new mixing pump proved its worth at three different job sites. In a new building in Wielenbach near Weilheim, ceilings 250 m² in area had to be coated with liquid wood-chip wallpaper. The PFT RITMO was used to spray the product "Rau-TEX fein", manufactured by Alligator Farbwerke GmbH, onto the ceilings. The result was a fine and neat spray pattern. The building owners were very pleased with this type of decoration, especially since it helped them to avoid the laborious task of papering the ceilings.

Doorframe Plastering with the PFT RITMO

Shortly afterwards, the PFT RITMO showed that it is also suitable for doorframe plastering. With the aid of the new mixing pump, a BAUMIT undercoat was very easily and quickly applied to the frame of the front door of a single-family home. The PFT RITMO is particularly profitable when used for this kind of small-scale jobs.

Basement Renovation with the PFT RITMO

In a house in Weilheim, the machine proved its flexibility once more. A few rooms in the basement had to be renovated after being damaged by water. At this job site, the handiness and small size of the PFT RITMO were very advantageous. The small machine was easily taken to the basement, and the renovation was completed in no time at all. "Thanks to its enormous flexibility, the small PFT RITMO mixing pump with 230 V supply has really paid off by now," says Mr. Petershofer. ■



The PFT RITMO ensured a trouble-free basement renovation.

An unusual project: The PFT ZP 3 S conveying pump helped to stabilize a cliff at the Edertal Dam with shotcrete.

Stabilizing a Cliff at the Edertal Dam with the PFT ZP 3



The Edertal Reservoir is located behind a dam at the river Eder, near Waldeck (Central Germany). It is Germany's second largest reservoir in terms of area, and the third largest in terms of volume.

At this reservoir, the construction firm Schlune, based in Salzkotten, was charged with a very special job. A cliff, approx. 500 m² in area, which is situated next to the dam, had to be stabilized. To prevent the detachment of rocks, shotcrete with a grain size of 8 mm had to be applied to the cliff surface.

Stabilization with Shotcrete

Shotcrete is a type of concrete which is conveyed to the place of use through a closed hose assembly, pneumatically applied with the aid of a spray nozzle and compacted by the energy of its impact on the surface. Since this application technique differs greatly from conventional concrete work, the use of shotcrete for technically demanding projects is today largely the domain of specialized businesses with experienced personnel, considerable know-how and the necessary equipment. One of these specialists is the construction firm Schlune, established in 1921 and today

headed by Jörg Schlune. The company currently employs 20 persons.



The cliff was stabilized in the wet spraying technique.

Wet Spraying with PFT Equipment

Concrete application in the wet spraying technique is part of Mr. Schlune's everyday work. And he has the necessary machinery - supplied by PFT, of course. The machine used to stabilize the cliff at the Edertal Dam was a PFT ZP 3 S conveying pump. The shotcrete, supplied by Spennert Zement, was mixed by a continuous mixer flanged to the silo. Then the material was fed to a PFT ZP 3 S equipped with an extension

hopper. This PFT machine conveyed the material, through a 35 mm mortar hose assembly, as far as 40 m at a capacity of approx. 40 l/min — with the help of its powerful PFT R 8—3 screw pump.

The shotcrete was projected onto the rock surface with the aid of compressed air. The air is added to accelerate the flow of the material, so that optimal compaction and adhesion to the surface are ensured and a lasting stabilization is obtained. ■



The PFT ZP 3 S pump conveyed the 8 mm shotcrete used.

WELCOME TO THE FAIR



... get that
RITMO-Feeling!

Let yourself be enchanted by the Caribbean atmosphere of our stand. Our group of samba dancers will take you to a world of exotic rhythms. Available exclusively from PFT at the BAUMA 2007: The new PFT RITMO powercoat.



**23. - 29. April
in Munich**

**PFT Pavillon:
Open-Air Area F9,
Stand 907/3**

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- ☐ PFT SAMBA XL
- ☐ PFT RITMO powercoat
- ☐ PFT LOTUS XL
- ☐ PFT ZP 3
- ☐ PFT General brochure

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Imprint:

© Copyright by:
Knauf PFT GmbH & Co. KG
P.O. Box 60
97343 Iphofen, Germany

Editorship: Knauf PFT GmbH & Co. KG
Composition and Layout: StieberDruck

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