

# Product catalog Construction chemistry





**Product catalog – Construction chemistry** 

#### **About us**

In the corporate philosophy of TFP the customer and his needs are the main focus of our thinking and acting.

With a young, innovative team, we develop more than just ideas. We create products according to the requirements of our customers.

The company's main activity is the manufacture and sale of products and additives for the construction industry. We develop special paints, lacquer and technical coatings to round out the picture.

Our clientele includes well-known companies in the construction industry, and companies with technical production focus.

Our strength is to adjust our products to fit your needs, but also to develop new products for you.

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#### **Product catalog – Construction chemistry**

#### **Product overview**

Product groups
Products

**Product gruop description** 

**TFP 2100** 

Alu-Expanding Agent TFP 2150 ATM 2,5

2,5% Aluminium

TFP 2152 ATM 5,0

*5% Aluminium* **TFP 2155 ATM 10,0** 

10% Aluminium

An additive to increase the pore volume of mortars and plasters.

**TFP 2200** 

**Anti-Cracking Agent** 

**TFP 2250** 

Natural and synthetic fibers

**TFP 2255** 

Polypropylene fibers

Used in two-component system. For example, robust mortar and plaster.

**TFP 2300** 

Liquefier

**TFP 2310** 

Liquid

**TFP 2350** 

Powder \_\_\_\_\_\_

Specialized products to reduce or eliminate pinholes (holes) in synthetic resin plasters.

**TFP 2400** 

**Anti-hydro** 

**TFP 2410** 

Liquid

Additive for water repellent finish or exterior paints and plasters, based on silicone resin.

**TFP 2500** 

**Anti-shrinking agent** 

**TFP 2560** 

Glycol derivates

**TFP 2570** 

Diols

**TFP 2580** 

Wetting agent-emulsifier

Reduces shrinking in cement based-products, particularly screeds and floor-leveling compounds. Coalescent for dispersion powder.



#### **Product catalog – Construction chemistry**

**Product groups** 

**Products** 

**Product gruop description** 

For low-cost, solvent-free coating systems.

**TFP 2600** 

**Elasticizers** 

TFP 2610 Liquid TFP 2650

Powder

**TFP 2700** 

Color enhancer/ Anti-flooding agent

TFP 2710

Liquid

TFP 2750
Powder

Highly effective surfactant. Prevents pigments flooding, increases and stabilizes color; particularly for the production of pigment pastes, especially on an organic basis and soot.

**TFP 2800** 

**Anti-foam agent** 

**TFP 2810** 

Liquid

**TFP 2850** 

Powder\_\_\_\_\_

Anti-foam agent for architectural paints and plasters for wet and dry areas.

**TFP 2900** 

**Hydrophobic pulver** 

TFP 2952

Special

Applications: calcium carbonate-cement systems, plasters and substrates, for waterproofing of an overall structures consisting of several layers.

**TFP 3100** 

Cellubunt

**TFP 3150** 

Powder

Agent to prevent "rub-outs" in aqueous, tinted

paints.

**TFP 3200** 

**Antidust** 

TFP 3210 Liquid

TFP 3250

Dust agent against nuisance in production and use process of mineral products.

Powder

**TFP 3300** 

Antiseparator

**TFP 3310** 

Liquid

**TFP 3350** 

Powder

Additive for a constant distribution of light and

durable inorganic fillers in plasters



**General product info** 

#### TFP 2100 ALU-EXPANDING AGENT



- Increases the pore volume
- Higher themal insulation
- Higher isolation effect

Additive to increase the pore volume of mortars and plasters.

**Result:** Micropore formation.

**Product description:** Powder Product with stabilized aluminum as active substance embedded in special fillers. These provide protection against premature moisture absorption during manufacture and storage, which would affect the aluminum in its effect.

**Effect:** In the production of workable mortar or plaster, water reacts with aluminum to form hydrogen gas, which escapes into the solidifying mortar, or plaster to the outside and leaves pores increase the volume of the plaster, or reduce its specific weighting. Therefor the insulation against heat and cold is increased.

**Possible variation:** The aluminum content and the filler composition can be varied on request.

<u>ArtNr.</u>	Aluminium content
TFP 2150	2,5 %
TFP 2152	5,0 %
TFP 2155	10,0 %



**Technical data sheet** 

## **TFP 2150 ALU-EXPANDING AGENT**

Product description	Propellant to increase mortar pore volume.  Mixture of limestone flour and hydrophobic, natural calcium carbonate with 2.5% aluminum content.
Use:	The expansion effect (pore formation) occurs only after the production and processing of the mortar (plaster), once that is in the high pH ranges.
Physical condition:	Powder
Color:	Light gray
Physical characteristics:	Bulk density: about 0.8 g/cm <sup>3</sup> Moisture: < 0,5% (Pursuant to 110°C/1 h.)
Solubility in water:	The aluminum present in the mixture is deactivated due to its low concentration and the addition of hydrophobic calcium carbonate to moisture in the neutral pH range.
Additional amount:	This should be determined by preliminary tests. In general, 0.125 to 0.375%, based on the finished product used.
Storage:	The product should be stored in closed packaging protected from moisture.
Packing:	According to customer request

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**Technical data sheet** 

## **TFP 2152 ALU-EXPANDING AGENT**

Product description	Propellant to increase mortar pore volume.  Mixture of limestone flour and hydrophobic, natural calcium carbonate with 5,0% aluminum content.
Use:	The expansion effect (pore formation) occurs only after the production and processing of the mortar (plaster), once that is in the high pH ranges.
Physical condition:	Powder
Color:	Light gray
Physical characteristics:	Bulk density: about 0.8 g/cm <sup>3</sup> Moisture: < 0,5% (Pursuant to 110°C/1 h.)
Solubility in water:	The aluminum present in the mixture is deactivated due to its low concentration and the addition of hydrophobic calcium carbonate to moisture in the neutral pH range.
Additional amount:	This should be determined by preliminary tests. In general, 0.125 to 0.375%, based on the finished product used.
Storage:	The product should be stored in closed packaging protected from moisture.
Packing:	According to customer request

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**Technical data sheet** 

## **TFP 2155 ALU-EXPANDING AGENT**

Product description	Propellant to increase mortar pore volume.  Mixture of limestone flour and hydrophobic, natural calcium carbonate with 10% aluminum content.
Use:	The expansion effect (pore formation) occurs only after the production and processing of the mortar (plaster), once that is in the high pH ranges.
Physical condition:	Powder
Color:	Light gray
Physical characteristics:	Bulk density: about 0.9 g/cm <sup>3</sup> Moisture: < 0,3% (Pursuant to 110°C/1 h.)
Solubility in water:	The aluminum present in the mixture is deactivated due to its low concentration and the addition of hydrophobic calcium carbonate to moisture in the neutral pH range.
Additional amount:	This should be determined by preliminary tests. In general, 0.125 to 0.375%, based on the finished product used.
Storage:	The product should be stored in closed packaging protected from moisture.
Packing:	According to customer request

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**General product info** 

#### TFP 2200 ANTI-CRACKING AGENT



- Effective against cracking
- Increases the elasticity
- With coalescense effect
- Does not raise dust
- Reduces depth impression when pressure is exerted

Anti-cracking agent is effective against cracking, mainly with the use of plastic dispersions and powder dispersion plasters. It can be used in two-component systems, for example robust floor coatings.

**Result:** Reduction or elimination of Cracking.

**Description:** The product contains hydrophobic, relatively non-volatile substances in suspension in a coordinated mix of organic and inorganic fibers with optimal length range and is free of dust.

**Effect:** To increase the elasticity of the entire coating of a fiber blend and a special ingredient. The technical data sheet specified the benefits. The compound has additional coalescing properties.

**Possible variation:** These result from a specific variation requested by the customer, e.g. by changing the fiber length or the active substance, to highlight one of the improvements mentioned in the technical data sheet.

ArtNr.	Fiber type
TFP 2250	Natural and synthetic fiber
TFP 2255	Polypropylene fiber



**Technical data sheet** 

## **TFP 2250 ANTI-CRACKING AGENT**

Product description	<ul> <li>Non-dust raising anti-cracking agent for all kinds.</li> <li>Contains hydrophobic, relatively non-volatile substances in the finest fibers on a balanced mix of plastics etc. based on polypropylene with optimal length range;</li> <li>Is processed in one-and two-component systems, and also in dispersion coatings;</li> <li>Does not raise dust;</li> <li>No labeling required.</li> </ul>
	<ul> <li>Anti-cracking agent reduces:</li> <li>The tendency to form cracks and holes in coatings based on polymer powders and polymer dispersions.</li> <li>The necessary dispersing time.</li> </ul>
	Anti-cracking agent improves:  - The homogeneous distribution of fibers in the plaster  - The elasticity  - The abrasion resistance  - The film formation and the plaster water resistance
Specification:	Bulk density: after production 120 g/l Moisture: < 0.3 %
Dosage:	Recommended addition rate 0.5 - 1% on total formulation in pasty material.
Packing:	In foil bags up to 25 kg and cardboard packaging, or based on customer request.
Storage:	Min. 12 months in sealed packages.

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**Technical data sheet** 

## **TFP 2255 ANTI-CRACKING AGENT**

Product description:	<ul> <li>Non-dust raising anti-cracking agent for all kinds.</li> <li>Contains hydrophobic, relatively non-volatile substances in the finest fibers on a balanced mix of plastics etc. based on polypropylene with optimal length range;</li> <li>Is processed in one-and two-component systems, and also in dispersion coatings;</li> <li>Does not raise dust;</li> <li>No labeling required.</li> </ul>
	Anti-cracking agent reduces: - The cracking and pushing traces in coatings, the larger loads, e.g. floor coatings.
	Anti-cracking agent improves:  - The homogeneous distribution of fibers in the coating system  - The elasticity  - The abrasion resistance  - The capacity  - The hydrophobicity
Specification:	Bulk density and moisture: ca. 120-150 g/l
Dosage:	Recommended Usage: pre-tests and, depending on the purpose.
Packing:	In foil bags up to 25 kg and cardboard packaging, or based on customer request.
Storage:	Min. 12 months in sealed packages.

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**General product info** 

## TFP 2300 LIQUEFIER



- Increases the solids content
- Reduction or elimination of holes in a resin-bound plaster in combination with 2200 TFP anti-cracking agent.

Special product for the reduction or elimination of holes in the resin-bound plasters.

**Result:** Increases solids content significantly to reduce the formation of holes (pinholes) in plasters.

**Description:** Emulsifier-surface-active agent.

**Effect:** An excellent condenser for viscous systems, the product allows a reduction of water content (increases the solid).

**Possibility of variation:** The liquefier can be supplied in any desired concentration, as liquid and dry product.

ArtNr.	Properties
TFP 2310	liquid
TFP 2350	powder



**Technical data sheet** 

## **TFP 2310 LIQUEFIER**

Product description:	Liquefier for predominantly pasty aqueous systems with high solid content. Emulsifier-surfactant mixture.
End use:	TFP 2310 is specifically designed to increase the solids content of pasty plaster.
Effect:	A high proportion of solids significantly reduce the formation of "pinholes".
Improvement:	<ul> <li>Additional permits at a higher fiber-containing anticracking agent (e.g. TFP 2210 anti-cracking agent) without deteriorating the processing of the plaster.</li> <li>Allows the reduction of water content, e.g. aqueous thickener.</li> <li>no labelling required.</li> </ul>
Specification:	<ul><li>Clear aquous solution</li><li>PH value 8-9</li></ul>
Dosage:	Recommended addition level of around 2% on total formulation. The additional amounts should be tailored to the product each.
Packing:	Customer-specific
Storage:	In a close container for 12 months.

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**Technical data sheet** 

## **TFP 2350 LIQUEFIER**

Product description:	Liquefier for dry systems produced with dry binders.
End use:	TFP 2350 is specially designed for powder paints and plasters. It reduces the required amount of water for processing.
Effect:	Faster drying and thus less susceptible to weathering.
Improvement:	<ul> <li>Additional permits at a higher fiber-containing anti-cracking agent (e.g. TFP 2210 anti-cracking agent) without deteriorating the processing of the plaster.</li> <li>Less susceptible to surface defects, e.g. floating effect.</li> <li>No labeling required</li> </ul>
Body structure:	Bright powder
Dosage:	Recommended addition level of around 2% on total formulation. The additional amounts should be tailored to the product each.
Packing:	Customer-specific
Storage:	In a closed container for 12 months.

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**General product info** 

#### TFP 2400 ANTIHYDRO



- Water repellance
- Beading
- Immediate effect

Surface active agent for water-repellent finishing of coating systems, for example exterior paints and plasters, mainly based on silicone resin.

**Result:** Particularly strong beading of rain water, in contrast to conventional dispersing and wetting agents that abrogate the beading.

**Description:** Non-foaming wetting and dispersing agent for use in extremely water-repellent coating systems.

**Effect:** When used in colored plaster supports this immediate water repellency. This leads to a not depending on coloration, small or significant discoloration of the coating.

**Possibility of variation:** The anti-hydro can be supplied in any desired concentration, as liquid and dry product.

ArtNr.	Properties
TFP 2410	Liquid



**Technical data sheet** 

## TFP 2410 ANTI-HYDRO

Product description:	Surface active agent for water-repellent, water-based coating systems. The active ingredient based on the same network-ethanediol is dispersing agent and anti-foaming agent. It is also viscosity stabilizer.
Composition:	50% active ingredient in a high boiling solvent with high evaporation rate, which lowers the MFFT of polymer dispersions.
Physical condition:	Liquid, clear above 8 ° C (see storage)
Color:	White to yellowish
Solubility in water:	Low, max. 1.5%
Application:	In water-based paint systems need to have a low water absorption (w-value) indicated by the high water beading.
Additional amount:	0.15% - 0.3% on total formulation.
Storage:	Possible at room temperature: below 8° C can deteriorate the active substance, when heated, the solution becomes clear again.
Packing:	Customizable

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**General product info** 

## **TFP 2500 ANTI-SHRINKING AGENT**



- Shrinkage preventers
- Does not contain synthetic silica
- Coalescent

Shrinkage preventers in cementitious products. Coalescent for dispersion powder.

**Result:** Reduction of shrinkage during hydraulic cement setting.

**Description:** Innovative Products for the prevention of shrinkage cracks, as in screeds, plaster, cement compounds. In contrast to conventional methods, these products contain no synthetic silicas.

**Possibility of variation:** Depending on the application and customer requirements, different grain sizes and substrate materials are used.

ArtNr.	Active ingredient
TFP 2560	Glycol derivates
TFP 2570	Diol
TFP 2580	Emulsifier wetting agent



**Technical data sheet** 

## **TFP 2560 ANTI-SHRINKING AGENT**

Product description	Glycol derivatives (contains no synthetic silica). Active ingredient content 50%.
Effect:	Anti-shrinking agent prevents the shrinkage tendency in cementitious products. Coalescent for dispersion powder.
Physical condition:	Fine to medium grained.
Color:	White
Physical characteristics:	Free-flowing substance
Solubility in water:	The active substance is water soluble. The carrier is practically insoluble in water and alkali resistant.
Application:	TFP 2560 is used in cementitious systems, e.g. Screed, cement mortar, levelling compounds, etc. It is added to the dry mixture and promotes the coalescence of associated polymers by adding water.
Additional amount:	This should be determined by preliminary tests, since it is very recipe-dependent. In general, one calculated to up to five percent loss prevention used on the finished product. When coalescing around a tenth of this amount.
Storage:	As slightly hygroscopic product TFP 2560 should be stored dry and in closed containers at normal temperatures (15-25 ° C).
Packing:	Customizable

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**Technical data sheet** 

## **TFP 2570 ANTI-SHRINKING AGENT**

Product description	Mixture of diols with friendly-construction carriers that produce a coalescence effect
Effect:	Anti-fading agent prevents the shrinkage tendency in cementitious products. Coalescent for dispersion powder.
Physical condition:	Powdery, non-dusting
Color:	White-yellowish
Physical characteristicsr:	Coherent powdery hydrophilic substance
Solubility in water:	The active substance is water soluble. The carrier is practically insoluble in water and alkali resistant.
Application:	TFP 2570 is used in cementitious systems, e.g. Screed, cement mortar, leveling compounds, etc It is added to the dry mixture and promotes the coalescence of associated polymers by adding water.
Additional amount:	This should be determined by preliminary tests, since it is very recipe-dependent. In general, one calculated to up to five percent loss prevention used on the finished product. When coalescing around a tenth of this amount.
Storage:	As slightly hygroscopic product TFP 2570 should be stored dry in and in closed containers at normal temperatures (15-25 ° C).
Packing:	Customizable

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**Technical data sheet** 

## **TFP 2580 ANTI- SHRINKING AGENT**

Product description	Highly intense wetting agent and emulsifier on construction- friendly carriers.
Effect:	Anti-fading agent prevents the shrinkage tendency in cementitious products. Coalescent for dispersion powder.
Physical condition:	Fine-grained
Color:	White
Specification:	Free-flowing substance
Solubility in water:	The active substance is water soluble. The carrier is practically insoluble in water and alkali resistant.
Application:	TFP 2580 is used in cementitious systems, e.g. Screed, cement mortar, leveling compounds, etc It is added to the dry mixture and promotes the coalescence of associated polymers by adding water.
Additional amount:	This should be determined by preliminary tests, since it is very recipe-dependent. Generally, 0.5 to 2 percent calculated on the loss prevention used on the finished product, depending on whether the shrinkage or coalescence prevention funding is in the foreground.
Lagerung:	Dry and in closed containers at normal temperatures (15-25 ° C).
Packing:	Customizable

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**General product info** 

#### TFP 2600 ELASTICIZERS



- For low cost coating systems
- High effective coalescence
- Increases elasticity

#### Elasticizer for inexpensive, solvent-free coating systems

**Result:** TFP 2600 increases the elasticity of paint systems and is very suitable for coatings on plastics-based dispersion. Other advantages are described in the technical fata sheet.

**Effect:** It helps also to produce dispersions with reasonably priced high-quality coatings such as paints, plasters, primers, fillers, etc.

**Possibility of variation:** Customizable

<u>ArtNr.</u>	Properties
TFP 2610	Liquid
TFP 2650	Powder



**Technical data sheet** 

## **TFP 2610 ELASTICIZER**

Product description:	Elasticizer for solvent-free coating systems
Use and possible improvements:	<ul> <li>Increases the elasticity of paint systems</li> <li>Well suited for coatings on plastics-based dispersion</li> <li>Decreases the MFFT strongly due to its high coalescence</li> <li>Allows the formulation of solvent-free, low-cost dispersion systems</li> <li>Facilitate the production of color pigments and filler.</li> </ul>
Specification:	Clear odorless liquid Water content <0.02% Density 0.96 g / cm <sup>3</sup> Boiling point> 290 ° C Flash point> 140 ° C
Dosage:	For plastic dispersion systems: Approx. 2.5-5% on 50% dispersion expected. The amounts should be adjusted to the product and the desired goal. For other systems, tests are necessary, also in terms of water proofing.
Storage:	Above 0° C and protect from UV light
Packing:	Customizable

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**Technical data sheet** 

## **TFP 2650 ELASTICIZER**

Product description:	Elasticizers and coalescent agent especially for dry polymer-based coating systems.
Use and possible improvements:	<ul> <li>Increases the elasticity of coating systems and coating systems</li> <li>Strong coalescence effect</li> <li>When mixed with water is the construction-friendly water-carrier that also releases the water insoluble active ingredient, the undiluted, unlike a water-soluble polymer acts on the coalescent.</li> <li>Does not contain synthetic silica</li> <li>Non-dusty</li> </ul>
Specification:	White coherent powder Active ingredient content 50%
Dosage:	Should be determined by preliminary tests. It is estimated 10-15% of the polymer.
Storage:	Above 0° C in closed containers
Packing:	Customizable

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**Ageneral product info** 

## TFP 2700 COLOR ENHANCER/ANTI-FLOODING AGENT



- Increases the color tint
- Stabilize the color tint
- Increase compatibility of cement and lime
- Prevents flocculation in multicolor coating systems

Highly effective wetting agent, for production of pigment pastes organic based and soots "Superplasticizers".

**Description:** It prevents flooding of the lighter Pigments, increases so the hue and stabilizes paint and plaster dry or pasty-based. Furthermore, the cement and lime is increased compatibility.

**Possibility of variation:** These changes are given by the formula on demand.

ArtNr.	Active ingredient
TFP 2710	Liquid
TFP 2750	Powder



**Technical data sheet** 

## TFP 2710 COLOR ENHANCER/ANTI-FLOODING AGENT

Product description:	Surfactant based on fatty alcohol derivatives.
End use:	<ul> <li>Excellent wetting agent for the production of pigment-and filler pasts, mainly based on organic pigments and soot.</li> <li>Stabilizer for emulsion paints and plasters.</li> <li>Increases the color development in colorful paints and plasters in the wet and dry areas.</li> </ul>
Dosage:	The dosage should be determined by preliminary experiments; it is for example about 5% (to obtain a 30-40% paste) to produce carbon black paste; for the production of for example Filler pastes require around 1%.
Improvement:	<ul> <li>Additional permits at a higher fiber-containing anticracking agent (e.g. TFP 2210 anti-racking agent) without the processing of the plaster to deteriorate.</li> <li>Allowing the reduction of water content, e.g. the aqueous thickener.</li> <li>Is not subject to classification.</li> </ul>
Specification:	- Aqueous clear solution - PH value of 8-9
Storage:	In a closed container for 12 months
Packing:	Customizable

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**Technical data sheet** 

## TFP 2750 COLOR ENHANCER/ANTI-FLOODING AGENT

Product description:	Surfactant based on fatty alcohol derivatives on a construction friendly carrier
Use and possible improvements:	<ul> <li>Excellent wetting agent for the production of pigment and filler, mainly based on organic pigments and soot.</li> <li>Stabilizer for emulsion paints and plasters.</li> <li>Increases the color development in colorful paints and plasters in wet and dry areas.</li> <li>Prevents flooding during flocculation and colorful coatings.</li> </ul>
Solubility in water:	The active substance is water soluble, practically insoluble in the carrier.
Dosage:	The dosage should be determined by preliminary tests, it is as (to obtain a 30-40% paste) to produce carbon black paste at 10% for production of e.g. filler pastes, just 1% is needed.
Storage:	Dry in closed containers
Packing:	Customizable

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**General product info** 

## **TFP 2800 ANTI-FOAM AGENT**



- Excellent stability
- No homogeneity problems
- Very effective at higher pH values
- Low cost

Anti-foam agent for house paints and plasters for wet and dry areas, free of silicone.

**Result:** Sophisticated applications in diverse systems.

**Effect:** Optimally according to the present binders.

**Possibility of variation:** Delivery as liquid or dry product possible, as well as the supply of silicon or silicon-containing anti-foam agent according to the customer.

ArtNr.	Properties
TFP 2810	Liquid
TFP 2850	Powder



**Technical data sheet** 

## **TFP 2810 ANTI-FOAM AGENT**

<ul> <li>additives. Silicone free.</li> <li>Use:         <ul> <li>In water-based paints, plasters, adhesives, particularly organo-silicate area suitable.</li> </ul> </li> <li>Special features:         <ul> <li>Excellent stability even after prolonged storage</li> </ul> </li> </ul>		
organo-silicate area suitable.  - Excellent stability even after prolonged storage - No homogeneity problems even at elevated temper - Very effective at higher pH values - Low cost  - Liquid, practically insoluble in water - Viscosity: 300-500 mPa-s - Viscometer to known conditions - Specific weight at 25 ° C: 0.85 to 0.88 g / cm 3  - Dosage:  - Approx. 0.2-0.3% on total formulation	-	Liquid Defoamer based on mineral oil with water repellent additives. Silicone free.
- No homogeneity problems even at elevated temper - Very effective at higher pH values - Low cost  Specification:  Liquid, practically insoluble in water Viscosity: 300-500 mPa-s Viscometer to known conditions Specific weight at 25 ° C: 0.85 to 0.88 g / cm <sup>3</sup> Dosage:  Approx. 0.2-0.3% on total formulation	-	In water-based paints, plasters, adhesives, particularly for the organo-silicate area suitable.
Viscosity: 300-500 mPa-s Viscometer to known conditions Specific weight at 25 ° C: 0.85 to 0.88 g / cm ³  Approx. 0.2-0.3% on total formulation	ecial features:	<ul><li>No homogeneity problems even at elevated temperatures</li><li>Very effective at higher pH values</li></ul>
	\ \	Viscosity: 300-500 mPa-s Viscometer to known conditions
Color: yellowish	sage:	Approx. 0.2-0.3% on total formulation
	or:	yellowish
<b>Storage and durability:</b> Dry at normal temperatures for at least 1 year.	rage and durability:	Ory at normal temperatures for at least 1 year.
Packing: Customizable	king:	Customizable

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**Technical data sheet** 

## **TFP 2850 ANTI-FOAM AGENT**

Product description	Dry-based mineral oil defoamers, for construction-friendly carriers. Silicone free.
Use:	In dispersion powder paints and plasters, cement powder, dry dispersion silicate paints and plasters, glue powder and in powdered inorganic coatings.
Special features:	<ul><li>Very effective at higher pH values</li><li>Low cost</li></ul>
Specification:	The active substance is water soluble, practically insoluble in the carrier.
Dosage:	Depending on the formulation 0.2 - 0.5% on total formulation
Color:	white yellow
Storage and durability:	Dry at normal temperatures for at least 1 year.
Packing:	Customizable

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This Technical Data Sheet supersedes all previous editions.



**General product info** 

## TFP 2900 HYDROPHOBIC POWDER



- Beading with organic and inorganic coatings
- Insensitive to dirt
- Reduced discoloration
- Low-fungal and algae

Hydrophobic powder on the basis of the dry area paint sand plasters.

**Result:** Beading with inorganic and organic coatings

**Product-description:** Polysiloxane-silane on inorganic additives.

**Effect:** Hydrophobicity by lower sensitivity to dirt and less discoloration and lower fungi and algae fouling.

ArtNr.	Application
TFP 2952	Powder



**Technical data sheet** 

## TFP 2952 HYDROPHOBIC POWDER

Product description:	Polysiloxane-silane with a construction-friendly inorganic carrier
Use:	To modify hydrophobic and water-based coatings on inorganic and polymer-based
Special features:	TFP 2952 acts both in cement and plaster in lime-cement systems, which are applied as a thin film.  The absorption of moisture is reduced throughout the system.
Physical characteristics:	light-colored powder Bulk density: about 500 g / l
Additional amount:	Approx. 0.2 - 0.5% on dry material, the exact dosage should be determined by laboratory tests.
Storage:	Dry and in closed containers at 5-25 ° C. In originally sealed containers so about 9 months.
Packing:	Customizable

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**General product info** 

#### TFP 3100 CELLUBUNT



- Surface-treated cellulose
- Against rub-out in colorful:
  - Dispersion paints
  - Dispersion silicate paints
  - Dispersion powder paints
  - Colored cement-lime
  - Colored lime
- Suitable for wet and dry systems

**Effect:** When applying the paint with water that penetrates along the cellulose fiber in the filler and pigment agglomerates, which are blown up from inside. The emphasis on the fiber network raised funds this operation.

Ultra-fine pigment particles occupy the cellulose surface and thus increase the opacity and color depth.

**Result:** The entire color system is stabilized, the creation of the so called "Bernard'scher cells" is prevented, and the depth of color and the opacity increased. Also, the storage stability (sedimentation) is positively affected.

**Possibility of variation:** We are happy to work the product in the most optimal conditions for you.

<u>ArtNr.</u>	Characteristics
TFP 3150	Powder



**Technical data sheet** 

## **TFP 3150 CELLUBUNT 0**

Product description	Product for preventing the so-called rub-outs in tinted, aqueous paints.
Use:	In water-based paints, polymer-organo-silicate and mineral paints, with the organic and inorganic pigments and pigment pastes that are intended for tinting.
Composition:	Special wetting agents, which are applied under pressure to suitable cellulose.
Physical characteristics:	light-colored powder
Dosage:	The additional amount is formulation-dependent. We recommend that the experiments with 5% Cellubunt O to begin on total recipe (ask any suggested formulations!).
Storage:	In sealed packaging for at least 12 months.
Packing:	In plastic bags or cartons.

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**General product info** 

#### **TFP 3200 ANTIDUST**



- To avoid dust nuisance in the production and processing of mineral construction

**Result:** Significantly reduced dust formation during production and processing

**Description:** TFP 3210 is an emulsion of a strong non-polar with a very polar liquid using special-emulsifiers and solubilizers. TFP 3250 is reared above wet plant with construction-friendly carriers.

**Possibility of variation:** We are happy to work the product in the most optimal conditions for you.

ArtNr.	Characteristics
TFP 3210	Liquid
TFP 3251	Powder



**Technical data sheet** 

## **TFP 3210 ANTIDUST**

Product description:	Sprays on the basis of a W-O emulsion [see cover]
Use:	As an anti-dusting agent general for mineral building materials that are mixed with water.
Composition:	Emulsion, a strong non-polar, with a very polar liquid using special emulsifiers and solubilizers.
Physical charcateristics:	turbid liquid Specific gravity about 0.86 g / cm <sup>3</sup>
Additional amount:	This should be determined by laboratory tests, as the amount required depends strongly on the grain size and the "fine" of the product.
Consumption:	Also applies: The finer the spray, the lower the consumption. Average consumption of about 0,5-2% of limecement systems.
Storage:	Frost free
Packing:	In 10-20 lt. Plastic barrels or cans (shake before use).

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**Technical data sheet** 

## **TFP 3251 ANTIDUST**

Product description	Dust adhesive agent
Use:	Generally as a dry anti-dusting agent for mineral building materials those are mixed with water. Particularly suitable for producing dust free tile adhesives.
Composition:	Active substance: emulsion, a strong non-polar, with a very polar liquid using special emulsifiers and solubilizers. Carrier: silica, the content of crystalline silica in the form of quartz and cristobalite is less than 1%.
Physical characteristics:	Coherent, yellowish to brownish powder. Active ingredient 50%
Additional amount:	This is highly dependent on particulate matter content of the product to be dusted with sensitive and should be added prior to the aggregates.
Consumption:	An average of 1-3% on lime-cement systems.
Storage:	Frost free
Packing:	Customizable

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**General product info** 

#### TFP 3300 ANTISEPARATOR



 Additive for a constant distribution of light and durable inorganic fillers in plasters

**Application:** For the constant distribution in the continuous-specific and / or bulk density of different materials in dry building materials: such as styrofoam® or so-called bulking products such as vermiculite in lightweight plasters, inorganic tile adhesives, insulating plaster, etc.

**Result:** In the production, storage, transport, processing and filling of the silo, the product remains homogeneous. TFP 3300 can be delivered in liquid or solid.

ArtNr.	Characteristics
TFP 3310	Liquid
TFP 3350	Cohesive powders



**Technical data sheet** 

## **TFP 3310 ANTISEPERATOR**

Product description	Emulsion
Use:	As a homogenizer for mineral products with different specific gravity and bulk density, such as vermiculite, polystyrene pearls in cement and lime-cement systems.
Composition:	Different viscous aliphatic hydrocarbons with polar solvents and vegetable emulsifier.
Physical characteristics:	Milky liquid spec. Weight about 0.85 g / cm <sup>3</sup>
Additional amount:	This should be determined by laboratory tests, as the required amount is strongly dependent on the recipe.
Consumption:	0.5 to 2.0%
Storage:	Keep away from frost
Packing:	In plastic barrels or canisters (shake or stir before use)

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**Technical data sheet** 

## **TFP 3350 ANTISEPERATOR**

Product description	Cohesive powder
Use:	As a homogenizer for mineral products with different specific gravity and bulk density, such as vermiculite, polystyrene pearls in cement and lime-cement systems.
Composition:	Different viscous aliphatic hydrocarbons with polar solvents and vegetable emulsifier
Physicalcharacteristics:	Cohesive powder with 50% active Contains no synthetic silica
Additional amount:	This should be determined by laboratory tests, as the required amount is strongly dependent on the recipe.
Consumption:	1.0 – 4.0%
Storage:	Keep away from frost
Packing:	Customizable

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#### **Product catalog – Construction chemistry**

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