

Sales partners all over the world

- Africa
- Asia
- Australia & New Zealand
- Europe
- Middle East & India
- Middle & South America
- North America (U.S.A. & Canada)
- Russia



Product types

- | | | | |
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| <ul style="list-style-type: none"> • Release Agents - Permanent - Semi-Permanent - Waterbased - Solventbased - Internal • Release-Wetting Agents • Additives • Anti-Block | <ul style="list-style-type: none"> • Outside Lubes • Batch-Off • Formaldehyde Scavengers • Lubricants • Hardeners • Bladder Coatings • Tire Lubes • Plunger Lubricants • Modifiers | <ul style="list-style-type: none"> • Wetting Agents • Cleaners • Surface Sealers • Flow Promoter • Air Release • Supressing Agent • Coating • Hydraulik Fluid • Pigments | <ul style="list-style-type: none"> • Antidust • Defoamer • Stabilizers • Special products |
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Application ranges

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| <ul style="list-style-type: none"> • GRP - Acrylic resins - DCPD resins - Epoxi resins - Phenolic resins - Polyester resins • Composite | <ul style="list-style-type: none"> • Polymer • Diecasting • Laminate • Wood products
(MDF-OSB-Particle board) • Polyurethane • Thermoplastic | <ul style="list-style-type: none"> • Miscellaneous • Rubber • Tires • Glass Bottles • Friction Material |
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*„We are
The Release
Agent People“*

„Fiberline“ – Environmental Release Agents For The Wood Industry

Technical Advanced Group



TAG Chemicals – Technical Advanced Group

TAG Chemicals GmbH has been founded in 2003 as a branch of the TAG-Group. Our goal is the development, production and marketing of special chemicals.

Our experience is based on special chemicals, especially the production of all sorts of release agents.

TAG Chemicals has many years of worldwide experience and is proud to have very good relationships to all of its customers.

We attach great importance on research and development to ensure that our customers always receive best possible products.

The base of our company's philosophy is:

- **Supporting our customers with qualified technical service.**
- **Resolving process- & formulation problems.**
- **Permanent improving of our product line by means of constant development and innovations.**

Product technical information and data is based on best information available and does not constitute or imply a warranty or patent infringement of any kind. User is responsible for testing product suitability prior to full operation use.

Release Agent	Release-Wetting Agent	Release-Wetting Agent	Release Agent	Scavenger	High temperature chain and belt oil	Stabilizer
Fiberline 402 FR 9 <ul style="list-style-type: none"> • is a combination of a release agent and wetting agent for the MDF and Particle board industry. • can be diluted 1:10 with water and should be sprayed continuously on the fibres/chips and press plates/belts. • is especially suitable for Weko or Imal system. • works also excellent for thin MDF/HDF boards and doorskins. • will form an excellent surface of the produced boards. We recommend for such application a 1:10 dilution with water and up to 15 mg per m² sprayed on the fibres. • can be used also with higher dilutions in the particle board industry. <p>Fiberline 402 FR 9 can be used at:</p> <ul style="list-style-type: none"> • Bison Mende presses • continuous presses • multidaylight presses <p>Advantages:</p> <ul style="list-style-type: none"> • no build up on the press plates • excellent cleaning power • excellent surface of the produced board • will reduce the amount of used paint through high density surfaces • reduction of press cycle time • excellent release • environmental friendly • no foaming • no gel forming 	Fiberline 406 FR 2 <ul style="list-style-type: none"> • is a combination of a wetting agent and a release agent for the Particle Board, OSB and MDF industry. • is especially designed to avoid build up in the blender if MUF, a high amount of MF or PF is been used. • must be added directly to the glue and will give excellent release performance and avoiding build up in the press as well. • shows already at low dosages excellent results (0.5 % - 1.0 % by weight on liquid glue) <p>Fiberline 406 FR 2 can be used at:</p> <ul style="list-style-type: none"> • single presses • multidaylight presses • continuous presses <p>Advantages:</p> <ul style="list-style-type: none"> • avoids build up in the blender • no build up on the forming belts • supports release in the press • excellent surface of the produced board • better flow properties and distribution of the glue • an improvement in bending strength • an improvement in face strength • reduction of press cycle time • excellent release • environmental friendly 	Fiberline 408 <ul style="list-style-type: none"> • is a combination of a wetting agent and a release agent for the wood industry. • can be diluted 1:25 – 1:50 with water and sprayed continuously on the fibres. • is especially suitable for the production of hardboards in the wet process. <p>Fiberline 408 can be also used at:</p> <ul style="list-style-type: none"> • single presses • multidaylight presses <p>Advantages:</p> <ul style="list-style-type: none"> • excellent paintability • no build up on the press plates, sieves • excellent surface of the produced board • better flow properties and distribution of the glue • excellent release • environmental friendly • low dosage 	Fiberline 409 K 100 <ul style="list-style-type: none"> • is a special release agent for the Particle Board, OSB and MDF industry. • can be diluted 1:3 – 1:6 with water and must be applied continuously on the belts/press plates. Dilution ratio depends on possible spray volume per m². • is especially developed for PMDI boards. • can be applied by spray guns or Weko/Imal system. <p>Fiberline 409 K 100 are mainly used at:</p> <ul style="list-style-type: none"> • continuous press lines <p>Advantages:</p> <ul style="list-style-type: none"> • excellent release • dilutable • no build up on the press plates/belts • excellent surface of the produced boards • stable product • environmental friendly 	Fiberline 489 <ul style="list-style-type: none"> • is a liquid, chloride free formaldehyde scavenger designed for the use in MDF and Particle Board production. • is added directly into the resin mix in substitution to the liquid resin and urea solution. It can be also sprayed directly on the chips. The scope of this product is a strong reduction of the free formaldehyde emissions of the finished bord without any negative effects on the mechanical properties. • has a good chemical compatibility with UF/MUF resins. Even at low dosages it will show excellent results. <p>Scavenger Fiberline 489 is:</p> <ul style="list-style-type: none"> • completely biological degradable. No special requirements for handling and storage. <p>Advantages:</p> <ul style="list-style-type: none"> • excellent results already at low dosages (5.0 – 7.5 % liquid/ liquid resin) • reduction up to 1% solid resin/ dry wood • FF – reduction up to 50 % (5 % Fiberline 489 reduce the FF by 1.5 mg – 2.5 mg) • flexible and economical instrument for improving the board emissions • substantial reduction of formol of environmental air of the hot press • environmental friendly 	HT-490 <ul style="list-style-type: none"> • is a special high temperature oil providing excellent lubrication even at high temperatures and loads. HT-490 has only a low evaporation losses at high temperatures. When properly applied, it does not form any lacquer-like residues. HT-490 offers excellent penetrating properties and thus ensures a rapid lubricating film formation. • is designed for the continuous press system which operate at very high temperatures. The most complex lubrication points on the moving parts in the heating and compression area are: <ul style="list-style-type: none"> – steel belts – heating platens – beds of roller chains – friction points • (i.e. steel belts/roller bars or chain carpets are fully exposed to the heating/compressing temperature.) <p>Advantages:</p> <ul style="list-style-type: none"> • excellent lubrication even at high operating temperatures • no lacquer-like residues with continuous total loss lubrication • low evaporation losses at high temperatures • keeps the lubrication system free of residues • excellent spreading and wetting properties <p>Application Field: Woodworking industry. Especially suitable for double belt presses like ContiRoll, Küsters press etc.</p>	Fiberline 499 <ul style="list-style-type: none"> • is a concentrated formalin stabilizer. Water formaldehyde solutions with concentrations exceeding 30 % are unstable and have a tendency to become turbid and precipitation into polymeric sediment. Polymer chains of various lengths are being created during the storage in formalin. • Stabilizer Fiberline 499 will inhibit the increase of polymers chain in a relatively low temperatures. • is a mix of different polymers. • is added as an additive to concentrated formalin. • it is recommended to add the Fiberline 499 as a 2 % solution (2 % Fiberline 499 + 98 % Methanol). Otherwise the active substance precipitate. <p>Advantages:</p> <ul style="list-style-type: none"> • fomaline storage temperature can be lowered • decreasing the formaline storage temperature leads to lower formalin acidity which has an high influence on the formalin quality • longer storage time <p>Application: Fiberline 499 (2 % solution in Methanol) is applied directly to the formalin during stirring. The dosage will depend on the Formaldehyde content and storage temperature of the formalin. The dosage will be between 20 ppm – 60 ppm of active substances for 100 % formaldehyde.</p>
<p>Technical Properties:</p> <p>Density: 1.0 g/cm³</p> <p>Colour: clear</p> <p>PH-Value: approx. 7</p> <p>Shelf life: 12 months</p>	<p>Technical Properties:</p> <p>Density: approx. 1 g/cm³</p> <p>Colour: clear</p> <p>PH-Value: approx. 6</p> <p>Shelf life: 12 months</p>	<p>Technical Properties:</p> <p>Density: approx. 1.0 g/cm³</p> <p>Colour: yellow</p> <p>PH-Value: 8 + / - 0.5 %</p> <p>Shelf life: 12 months</p>	<p>Technical Properties:</p> <p>Density: 1.0 g/cm³</p> <p>Colour: clear</p> <p>PH-Value: --</p> <p>Shelf life: 6 months</p>	<p>Technical Properties:</p> <p>Density: 1.2 g/cm³</p> <p>Colour: white</p> <p>PH-Value: 8 + / - 0.5 %</p> <p>Shelf life: 12 months Solid content: 60 %</p>	<p>Technical Properties:</p> <p>Density: 0.91 g/cm³</p> <p>Colour: yellow, clear</p> <p>Viscosity: approx. 135</p>	