



*„We are
The Release
Agent People“*

Technical Advanced Group

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

- **Release Agents**
 - Permanent
 - Semi-Permanent
 - Waterbased
 - Solventbased
 - Internal
- **Release-Wetting Agents**
- **Additives**
- **Anti-Block**

- **Outside Lubes**
- **Batch-Off**
- **Formaldehyde Scavengers**
- **Lubricants**
- **Hardeners**
- **Bladder Coatings**
- **Tire Lubes**
- **Plunger Lubricants**
- **Modifiers**

- **Wetting Agents**
- **Cleaners**
- **Surface Sealers**
- **Flow Promoter**
- **Air Release**
- **Supressing Agent**
- **Coating**
- **Hydraulik Fluid**
- **Pigments**

- **Antidust**
- **Defoamer**
- **Stabilizers**
- **Special products**

Application ranges

- **GRP**
 - Acrylic resins
 - DCPD resins
 - Epoxi resins
 - Phenolic resins
 - Polyester resins
- **Composite**

- **Polymer**
- **Diecasting**
- **Laminate**
- **Wood products**
(MDF-OSB-Particle board)
- **Polyurethane**
- **Thermoplastic**

- **Miscellaneous**
- **Rubber**
- **Tires**
- **Glass Bottles**
- **Friction Material**

„Fiberline“ – Environmental Release Agents For The Wood Industry

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.

Anti-Block-System	Anti-Dust	Release Agent	Wetting Agent	Hardener	Hardener	Hardener																																				
AB-310	AD-362	RA-330/0	WT-320-0	CA-340-0	CA-341-0	CA-342 MU																																				
<p>Universal Anti-Block-System for amino plastic resin solution.</p> <p>AB-310 is well suited for the decorative coating of plane carrier materials (e. g. chip boards, fiber boards, sheets on bases of phenolic resins a. s. o.). The impregnated decorative papers can be used in the short cycle process as well as in the continues production of high-pressure laminates also usable for post forming systems.</p> <p>Even small dosages of AB-310 will improve the following properties of melamin resin:</p> <ul style="list-style-type: none"> • prevents especially by higher humidity the problems of sticking of the palletised laminates • excellent internal release agent to any aqueous resin system • does not influence the particular chemical and physical properties of melamine resin 	<p>AD-362</p> <ul style="list-style-type: none"> • is an universal Anti-Dust product for the laminating process. • has excellent properties to smoothen the surface of the impregnated paper and prevent it from dust. • is mainly used for MF resin application in the second vat or raster station. • provides a high colour saturation. 	<p>Release Agent for High-pressure and Low-pressure impregnation. RA-330/0 is a special internal release agent added directly to any aqueous resin system (melamine, phenolic or urea aqueous resin mixture), used for high pressure and low pressure impregnation. Basic requirements for release agents for aqueous resins are fully met by RA-330/0:</p> <ul style="list-style-type: none"> • shorting or pressing time (down to under 20 sec.) • prevention of formation of deposits on the press plates. The result can be 2–3 times extended tool service life a reduction in production stoppages and lower production costs. • RA-330/0 also acts as an ideal stabilizer for resins in transit or storage. <p>RA-330/0 consist of synthetic resins and surfactant substances. Special emulsifiers enable complete compatibility with many resin system regardless of resin bath standing time. Storage at low temperatures may cause partial sedimentation, but dissolves again between 20–40 °C.</p> <p>RA-330/0 can be used in combination with other TAG additives to solve many product and process problems.</p>	<p>WT-320-0 is the ideal wetting agent for melamine-formaldehyde, urea formaldehyde resins and impregnation of decor papers which are difficult to process. WT-320-0 effectively reduces the surface tension of the resin allowing for better penetration in the paper. The levelling characteristics will provide coatings free of fish-eyes, streaking and air blisters. This additive prevents pigment loss (dusting), bleeding in resin bath, and boosts the effect of hardeners in melamine formaldehyde resins without producing negative effects on the resin spot life.</p> <p>The reduction in resin surface tension and increased flow efficiency should be reduce the quantity of resin required for coating. Dosage percentage levels should be tested initially at the lowest recommended levels. If the desired results are not achieved, the dosage should be increased until the upper level is reached.</p> <p>WT-320-0 can be used in combination with other additives to solve many product and process problems.</p>	<p>Latent hardener for melamine formaldehyde impregnation resins with long pot-life and high curing activity.</p> <p>Properties: Basic requirements for curing agents for melamine resins are fully met by CA-340-0</p> <ul style="list-style-type: none"> • shorting or pressing time (down to 20 sec. at 170 °C) • accelerated condensation in drying oven • no sagging of resin • long pot-life of resins containing curing agents (up to 24 h) <p>Despite fast reaction in the drying oven CA-340-0 shows little tendency to blistering in films and does not disturb the flow of the resin in the press during the coating process. The resin remains on the surface of the coated paper producing a smooth surface of the pressed material.</p>	<p>Latent hardener for urea formaldehyde impregnation resins with long pot-life and high curing activity.</p> <p>Properties: Basic requirements for curing agents for urea resins are fully met by CA-341-0.</p> <ul style="list-style-type: none"> • shorting or pressing time (down to 20 sec. at 170 °C) • accelerated condensation in drying oven • no sagging of resin • long pot-life of resins containing curing agents (up to 24 h) <p>Despite fast reaction in the drying oven CA-341-0 shows little tendency to blistering in films and does not disturb the flow of the resin in the press during the coating process. The resin remains on the surface of the coated paper producing a smooth surface of the pressed material.</p>	<p>Hardener for High-pressure and Low-pressure impregnation. CA-342 MU is a high performance hardener for melamine and urea formaldehyde impregnation resins with high curing activity.</p> <p>Properties: Basic requirements for curing agents for melamine resins are fully met by CA-342 MU.</p> <ul style="list-style-type: none"> • shorting or pressing time • accelerated condensation in drying oven. • no sagging of resin 																																				
<p>Application: The Anti-block Agent is usually added to the ready condensed resin at room temperature. The concentration of AB-310 relative to liquid resin (55 weight %) is usually 0.1–0.4 weight %.</p>	<p>Application: AD-362 should be added in the second bath. We recommend a dosage of approx. 0.1–0.5 %.</p>	<p>Application: TAG Polymer Additives are water soluble, biologically degradable, non polluting and do not emit any harmful vapours during the manufacturing process.</p>	<p>Application: CA-340-0 can be used in all melamine resins which are used for coating of support material such as chipboards, fibreboards and laminated plastic sheets.</p>	<p>Application: CA-341-0 can be used in all urea resins which are used for coating of support material such as chipboards, fibreboards and laminated plastic sheets.</p>	<p>Application: CA-342 MU can be used in all melamine and urea resins which are used for coating of support material such as chipboards, fibreboards and laminated plastic sheets.</p>	<p>Processing: CA-342 MU should be well mixed with the finished resin cooled to processing temperature. It is recommended to add curing agent to resins shortly before a new bath is required for impregnating as after addition of CA-342 MU pot-life of resin can not be extended arbitrarily. We recommend a dosage of 0.2 %–0.6 %.</p>																																				
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