



AFCONA ADDITIVES

company presentation

AFCONA Additives BV

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*A*dditives *F*or *C*oatings *O*r *N*ew *A*pplications

➤ **AFCONA Additives China**

- ✓ Shanghai
- ✓ Haimen

➤ **AFCONA Additives Malaysia**

- ✓ Kuala Lumpur

➤ **AFCONA Additives Netherlands**

- ✓ Heerhugowaard

- Company started in 2005 with EFKA people as founders.
- Start production in Malaysia in 2005. In 2008, production move to China when our new state of art factory was completed in 2008.
- In our new plant in China, we invested RMB60m where it consist of a R&D lab, stand alone pilot plant and with 5.000mts/year capacity.
- 200 employees
- In 2014 we increased the capacity to 15.000 Mts/year
- In 2013, globally we maintain 35% growth in turnover and profit after tax.

- We expect in 2015, we will still be able to maintain this growth.
- Started in 2009, we begin our “selective” relation and partnership with multinational coating companies.
- Every year, we invest 5% of our turnover in R&D, currently holding 4 new technology patent and with 6 patents still in the process.
- until 2014, 30% of our turnover coming from new products developed within these 5 years and 3% from tailor made products to our customers.

AFCONA Production site, Haimen, Jiangsu, China



AFCONA Production site, Haimen, Jiangsu, China

➤ Production capacity:
15.000 mts / year







AFCONA Europe Center Warehouse in Nettetal Germany



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1. *Local stock with local distributor*
2. *Technical support – Local technical person and local/region application lab*
3. *In time delivery*
4. *Continues of new product development*

We continue where others stop

5. *Comply to local registration and regulation*

AFCONA Defoamers

- We produce various range of defoamers mainly for solvent based coating. Chemically, they are based on Modified Dimethyl Polysiloxane and Silicone Free Polymer.
- Foams can be generated in the production during grinding and stirring, as well as during application, for examples, brushing, rolling, low pressure spraying and it will also generated through application of a coating on porous substrate, wood is the most common example for porous substrate.
- However, foam is an unwanted physical state that all paint formulators want to eliminate. It results in uneven finishing and in worse case, it will reduce the protective property of the coating to the substrate.
- AFCONA additives defoamers are added to eliminate foams and it unwanted site effects at production and application stage.



Defoamers

AFCONA Slip and leveling agents

➤ Slip is always referred to our touching senses. Beside giving the touching sensation, it also serves as a protection tool to avoid and prevent scratch on coated surface.



➤ Leveling can be observe visually and is referring to a smooth surface without any curving or irregular patterns on the surface. A real smooth and flat surface will give an object a more attractive and elegant look. Most coatings need a good leveling property in order to enhance the beauty of the object that it is coated with.

agents

➤ AFCONA additives produce various range of slip and leveling additives for both water based and solvent

basedcoating. Chemically, they are based on Modified Dimethyl- Polysiloxane, pure Polyacrylic and Fluorocarbon modification Polyacrylic.

➤ Color is the most important factor when we select a paint for decorative purpose. The ingredient in paint that responsible for color are pigments. Pigments is the only solid phase material in most of the paint formulation which others are in liquid form. Pigments need to be evenly distributed in coating in order to achieve a bright, clean and attractive color. In order to do that, these pigments have to be stabilized in small particles when the paint is in the can for long period of time.

High Molecular Weight Dispersing Agents

➤ High molecular weight dispersants are the best choice to perform this task and they are the most efficient chemical compound to achieve the desired performance.

➤ AFCONA additives produce wide range of high molecular weight dispersing agents, ranging from Polyurethane based to

Polyacrylic based which are suitable for all solvent based coating and industrial water based system. Dispersants are one of our most outstanding specialty in all of our additives range.



AFCONA Conventional wetting and dispersing agents

➤ In the history of pigments, if we look back 50-60 years back, most pigments are metal oxides which we dig from the ground. Thus at that time, wetting and dispersing agent are created to improve properties of paint.

Conventional wetting and dispersing agents

➤ Until today, these wetting and dispersing agent are still widely use for primers, coating that function as protection for substrate rather than for decoration and as wetting dispersing agent for easy stabilization of pigments. They are currently categorized under conventional wetting and dispersing agents.



AFCONA additive produce wide range of conventional wetting and dispersing agents to suite different needs of customers. All these products are based on formation of polymer salts and beside providing the wetting and dispersing properties, also promote anti-gravity effect for anti-settling effect.

AFCONA Universal pigment concentrates

➤ Pigment concentrate is the most efficient and time saving way of manufacturing paint. One series of different color pigment concentrates were pre-prepared and these pigment concentrates can tint into various coating system to make a final color paint. Through pigment concentrate preparation, pigments are formulated in a minimum resin content where this increases the efficiency of pigment grinding. In total, it result in better pigment stability, efficient method of manufacturing coating, energy and time saving.

➤ All these benefits can only be materialized with an efficient and very compatible high molecular weight dispersing agent.

➤ AFCONA additives offer many choices of high molecular weight dispersing agent and a universal resin for manufacturing of universal pigment concentrates.

Universal Pigment Concentrate



European distributors



BENELUX

Van Weezenbeek Specialties B.V.



UNITED KINGDOM

Devin Chemicals Limited



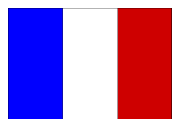
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DèMIX distribuciones SL



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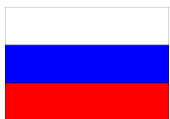
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RUSSIA

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ADDITIVES UP TO THE STATE OF ART

**"The Flow", By Dennis Philipoom, Contemporary Painter, The Netherlands
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