

2 minutes application break

# Pigment pastes

## Facts

**Origin** xxx

**Dates back** 19th century

**Ingredients** Pigments, resin, silicone, polyurethanes or oil

Add colour and finish to paints, inks, plastics, and ceramics

## MixSing Standard



### Design

Shear	CFD simulations confirms $>200,000 \text{ s}^{-1}$
Design	According to European legislation and CE marked
Hygiene	Complying with EHEDG guidelines
Viscosity	Up to 1,500 cP
Accessories	
Materials	Stainless steel: AISI 316L. All materials: EC 1935

## Insight

Pigment pastes are concentrated mixtures of pigments and binders used in various industrial and artistic applications. They add colour and finish to paints, inks, plastics, and ceramics. The origins of pigment pastes can be traced back to ancient civilizations such as Egypt, Greece, China and Mesoamerica, where people would use natural pigments derived from minerals, plants, and insects to create art and decorate objects. However, the modern form of pigment pastes as we know it today was not fully developed until the 19th century.

In the 19th century, the first synthetic

pigments, such as chrome yellow and Prussian blue, were made from inorganic compounds. These pigments were more stable and consistent than natural pigments, allowing for creation of a broader range of colours. Pigment pastes were made by mixing these pigments with a binder, such as a resin or oil, to create a paste that could be used to make paint.

In the early 20th century, new technologies, such as water-based emulsions, and new pigments, such as phthalocyanine and quinacridone, made it easier to create high-performance pigment pastes.

In the 21st century, new types of binders, such as acrylics, silicone, and polyurethanes, have allowed for the creation of pigment pastes with improved properties such as enhanced colour strength, weather resistance, and flexibility.

Pigment pastes come in different forms, such as powders, liquids, and gels, to suit other preferences. Today, many kinds of pigment pastes are available on the market, each with its unique formula and benefits. Some pigment pastes are explicitly formulated for specific applications, such as automotive coatings, printing inks, and plastics.



The power of simplicity

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