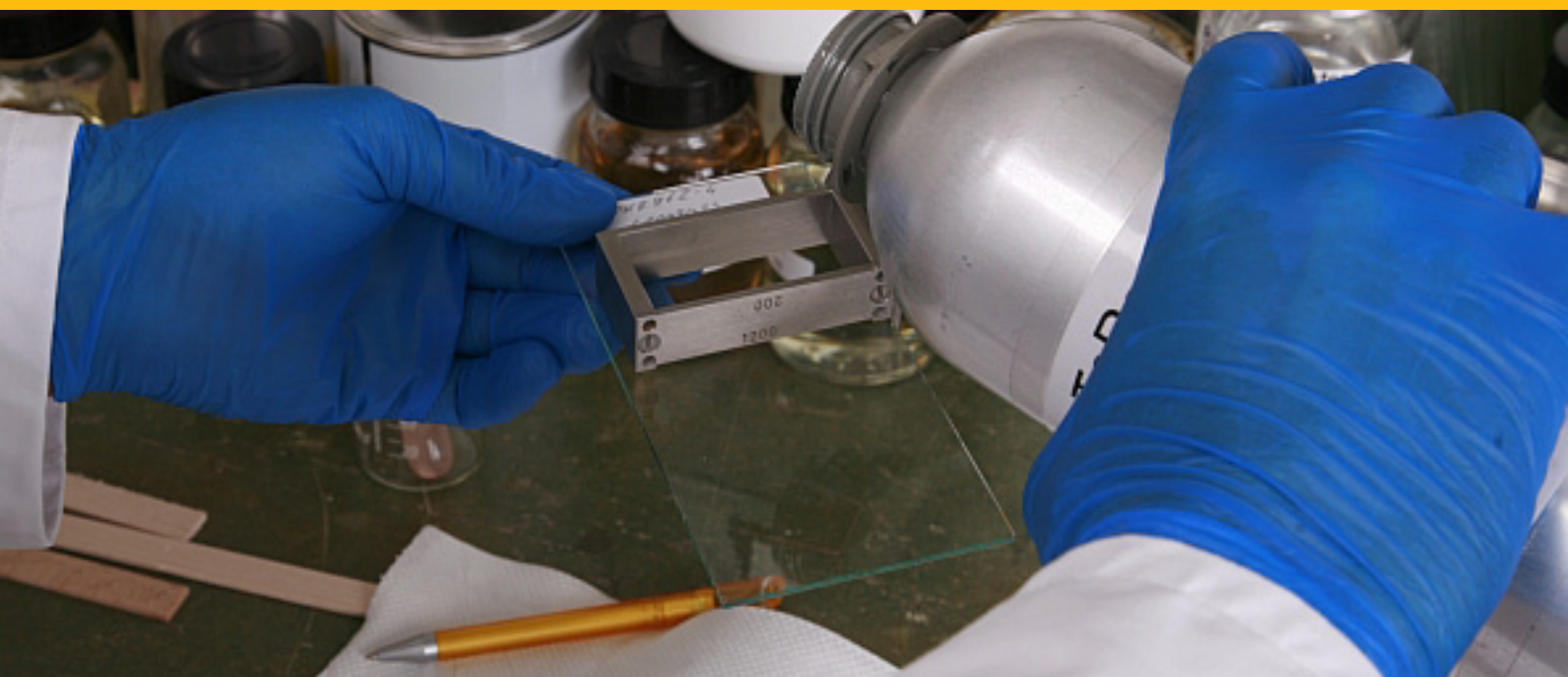


CeTePox[®] for your **Epoxy Systems**

As individual as you are.



Green Building

High-performance epoxy systems
for sustainable building!

**CeTePox[®] for low-emissions
coating structures.**



The basics

Sustainable building with **CeTePox®**

Sustainability means taking responsibility for the problems of our time and not simply “kicking the can down the road” for later generations to deal with. Instead, problems should be resolved promptly. In this regard, sustainable or “green” building is indisputably one of the major challenges of our time. One of the principles of this approach is that the requirements in terms of material performance should not be met at the expense of the user or the environment.

The importance of this topic is revealed in that corresponding certification systems and quality marks have been introduced both nationally and internationally. Examples include the Deutsche Gesellschaft für Nachhaltiges Bauen (German Sustainable Building Council, DGNB), Leadership in Energy and Environmental Design (LEED) in the USA, Haut Qualité Environnementale (High Environmental Quality, HQE, in France) and the Building Research Establishment Environmental Assessment Method (BREEAM) in the UK.

As far as floor coatings are concerned, sustainable building means not only the longest possible durability but also and above all that the coatings must not liberate any contamination into the interior air, or only the smallest possible level of contamination, whilst they are in service. In Germany, the Committee for Health-related Evaluation of Building Products (Ausschuss zur gesundheitlichen Bewertung von Bauprodukten, AgBB) has developed an

evaluation scheme for this purpose. This involves measuring not only the VOC emissions of critical individual constituents but also the total of all volatile substances using the TVOC concept (total volatile organic compounds). Test chambers are used for measuring the emissions from building products. The test procedure is in accordance with DIN EN 13419. The measurement and the test are performed after three and 28 days.

CTP has developed an innovative series of products which take full account of the AgBB concept, thereby permitting sustainable applications.

The test certificate (EMICODE) **CeTePox® 140 S delivers**

All innovative products and systems in the low-emissions **CeTePox®** - product range are suitable for passing the test to measure the emissions of volatile organic compounds (VOCs, SVOCs) from construction materials acc. to DIN EN 13419.

The **CeTePox® 140 S** primer system has passed this test and received the test certificate. This means we offer you the possibility of marketing a certified system without having to spend your own money on tests or having to incur any significant costs.



Your advantages

CeTePox® - more than just epoxy

As well as the special test certificate for **CeTePox® 140 S**, this product range offers you much more besides:

1. Test certificate for use with rear surface moisture

Two low-emission **CeTePox®** systems offer you tested safety in this difficult area of application.

CeTePox® 103 NF S
CeTePox® 245 R / 1961 H

2. CE mark - inspection on the coating system in accordance with DIN EN 13813

The CE mark is used by the manufacturer to declare under its own responsibility that its product corresponds to the relevant legal regulations and technical specifications.

Overall, CTP offers a CE mark for nine resin/hardener combinations. In the product range of low-emission epoxy resin systems, these are:

CeTePox® 103 NF S
CeTePox® 140 S

3. Low-emission solutions for many coating issues

Using this **CeTePox®** product range, it is possible to achieve low emissions in the entire coating structure. Difficult or damp substrates, rear surface moisture or the need for a flexible intermediate layer no longer represent an obstacle.



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Characteristical Data and Specification **CeTePox® - Low-emission curing agents**

CeTePox®	Characteristics	Nonylphenol-free	Benzylalcohol-free	Viscosity DIN EN ISO 3219 25 °C approx. [mPas]	Recommended Quantity of Hardener [g] ²⁾	H-Active-Equivalent Weight [g/ Eq.]	Gardner Colour Index ISO 4630	Temp. Increase 23 °C 40 °C appr. [min] ¹⁾	Properties and Fields of Application
1510 H	EP-stabilized cycloaliphatic polyamine	■	■	525	53 ²⁾	93	< 5	30	low-emission standard hardener with excellent general properties
1511 H	modified EP-stabilized cycloaliphatic polyamine	■	■	470	45 ⁵⁾	82	< 3	21 ⁵⁾	low-emission adduct hardener with excellent water-spotting resistance, good through-cure and good yellowing resistance
1960 H	EP-stabilized polyamidoamine	■	■	1.700	60 ⁴⁾	115	< 10	60	low-emission version of CeTePox® 1950 H ; primer for difficult, wet substrates with excellent adhesion
1961 H	EP-stabilized polyamidoamine, accelerated	■	■	1.400	60 ⁴⁾	115	< 10	27	low-emission version of CeTePox® 1951 H ; primer for difficult, wet substrates with excellent adhesion
1961 LV H	EP-stabilized polyamidoamine, accelerated	■	■	300	60 ⁴⁾	115	< 10	38	low-emission and low viscous version of CeTePox® 1951 H ; primer for difficult, wet substrates with excellent adhesion
1976-02 NF H	Formulated polyether amine	■	■	1.500	132 ⁴⁾	254	< 8	25	low-emission amine hardener, which shows a high flexibility at temperatures down to - 10 °C. Application fields are plastic coatings, crack-bridging membranes or liquid foils (e.g. for sealants)

CeTePox® - Low-emission systems

CeTePox®	Characteristics	Nonylphenol-free	Benzylalcohol-free	Mixing Ratio (parts by weight A : B)	Viscosity of Mixture DIN EN ISO 3219 23 °C approx. [mPas]	Temp. Increase 23 °C 40 °C appr. [min] ¹⁾	Shore-D Hardness 7d/23 °C ISO 868	Properties and Fields of Application
103 NF S	Two-component epoxy system free from solvents and benzylic alcohol	■	■	100 : 42	350	40	83	low viscosity, excellent wetting and adhesion properties, low sensitivity to early water stress; primers on concrete, even when moisture-permeated from the backside
140 S	Two-component epoxy system free from solvents, alkyl phenols and benzylic	■	■	100 : 40	580	21	80	low viscosity, excellent wetting and adhesion properties; low sensitivity to early water stress; low emission (according EMICODE); primers, mortars

1) Temperature Increase from 23 °C to 40 °C with 100 ml of mixture in an insulated beaker
2) with 100 g **CeTePox® 152 R**; 4) with 100 g **CeTePox® 245 R**; 5) with 100 g **CeTePox® VP 1705-1 R**



NEWS

CeTePox® VP 388-69 H

Experience, innovation and service
CTP: That's our commitment

CTP - Consistently improving established excellence

The challenge was to achieve the same reactivity as Mannich bases without using phenolic components - meaning that the **R 62** label could be avoided.

CeTePox® VP 388-69 H combines the hardening characteristics of a Mannich base with properties that are otherwise only seen in cycloaliphatic polyamines. Good early water resistance combined with low viscosity, good UV stability and good surface properties make this hardener an attractive choice for many applications.

Talk to us or your usual local contact in order to obtain detailed information.

CeTePox® for your Epoxy Systems
As individual as you are.

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