

Health and Safety Recommendations for Thermocromex Premixed Mortar by St Astier (EN/BS 998.1)

See Also: [Thermocromex Data Sheet](#)

Product and Manufacturer Identification

- **Product:** *Ready mixed mortar in 30 kg. bags*
Commercial Name: *Thermocromex*
- **Manufacturer:**
Name: *Dordognaise (C.E.S.A. Group)*
Adresse: 24110 St Astier, France
Tel: 05 33 54 1125
Fax: 05 33 04 6791
- **In case of Urgency:**
France: - ORFILA, Tel : 01 45 42 5959
UK: – The Lime Line 0800.783901
Ireland:– The Traditional Lime Co. 05991 51750

Components

- Thermocromex is a ready mixed mortar based on natural hydraulic lime, cement, siliceous and calcareous sand, additives and pigments.

IDENTIFICATION OF DANGERS

- Thermocromex is not classified as a « dangerous product » as defined in annex VI of the directive 67 / 548 / CEE.
- However, because of its alkaline properties in solution, some handling precautions are necessary.

Risk symbol	Principal risks for people and the environment
X_i	<ul style="list-style-type: none">• Thermocromex is irritant for eyes, respiratory track and mucous membranes.• Risk of severe eye damage in cases of splashes of powder or wet mortar in the eyes.• Once hydrated, Thermocromex increases alkalinity and therefore can irritate or dry the skin.• In cases of significant ingestion Thermocromex is caustic for the digestive tract. It can cause burning of the mouth, esophagus and stomach.• Thermocromex does not present particular risks for the environment subject to the recommendations in section XIII and the respect of national or local disposal directives.

First Aid (urgent cases)

Contact with eyes	<ul style="list-style-type: none">• Wash immediately and abundantly with clean water and consult an ophthalmologist
Contact with the skin	<p>In case of prolonged contact with the skin :</p> <ul style="list-style-type: none">• If Thermocromex is in a dry state, eliminate dust as much as possible. Wash abundantly with clean water.• If Thermocromex is in a wet mortar state, wash abundantly with clean water.• Make sure that no product is left between skin and clothing or accessories such as watches, shoes etc....
Inhalation	<p>In case of inhalation of large amounts of dust:</p> <ul style="list-style-type: none">• Bring the affected person outside the dusty area.• Consult a doctor in case of respiratory problems
Ingestion	<p>In cases of significant ingestion</p> <ul style="list-style-type: none">• Rinse mouth, drink potable water and consult a doctor

ANTI FIRE MEASURES

- Thermocromex is not flammable.
- In case of nearby fire use any extinguishing agents (as required by the nature of the fire).

ACCIDENTAL SPILLAGE MEASURES

Individual precautions	<ul style="list-style-type: none">• Avoid all contacts with the eyes.• Avoid contact with the skin.• Avoid dust inhalation• In case of airborne dust use the appropriate anti dust mask.• Handle the product with the appropriate gloves.
Protection of the environment	<ul style="list-style-type: none">• Do not dispose of Thermocromex in sewers, drains and on surface waters.
Cleaning and recovery methods	<ul style="list-style-type: none">• Use preferably collecting methods so as to avoid the creation of dust in the air <p>NOTE: After collection, Thermocromex can be disposed as normal building waste. Thermocromex hardens approximately 60 to 90 minutes after mixing with water.</p>

USAGE, STOCKING AND HANDLING PRECAUTIONS

STOCKING	USAGE	HANDLING
<ul style="list-style-type: none"> Keep away from the reach of children 	<ul style="list-style-type: none"> Avoid creating airborne dust. If unavoidable, wear an anti dust mask. Avoid direct contact of Thermocromex with eyes, skin and mucous membranes. Wearing security glasses is recommended. 	<ul style="list-style-type: none"> The handling of Thermocromex bags has to be done in such a way as to avoid the creation of airborne dust. Handle Thermocromex in accordance with local health and safety directives.

CONTROL PROCEDURES FOR WORKERS' EXPOSURE AND TYPE OF EQUIPMENT FOR INDIVIDUALS' PROTECTION

Exposure control:

Exposure limits

Total Dust:	10 mg/m ³
Cellular dust:	5 mg/m ³

Individuals' protection:

Respiratory protection:	In the presence of airborne dust, the use of an anti dust mask is recommended.
Hands protection:	Wear adequate gloves
Eyes protection:	Wear protective goggles in case of airborne dust or risk of splashes of powder or wet mortar.
Skin protection:	Wear adequate work clothing covering the arms and extend it to the hands by wearing gloves. If working standing on knees, wear knee pads. Skin protective creams can also be used.

PHYSICAL AND CHEMICAL PROPERTIES

Colour	Grey powder
Odor:	None
PH in water solution:	Alcaline between 12 and 13
Fusion temperature:	> 1000°C
Apparent volumetric mass:	1,35 g/cm ³ at 20°C
Explosion point:	Not applicable
Flammable point:	Not applicable
Danger of explosion:	None
Granulometry	20 to 30 % of fines < 80 μ

STABILITY AND REACTIVITY

Stability:	The product is stable
Conditions to avoid:	Humidity can cause hardening of the product
Materials to avoid:	None
Dangerous decomposition products :	None

TOXICOLOGICAL INFORMATION

Inhalation:	Thermocromex can cause the irritation of the respiratory track and inflammation of nasal mucous membranes. In extreme cases the erosion of mucous membranes is possible
Ingestion:	In cases of significant ingestion Thermocromex is caustic for the digestive tract. It can cause burning of the mouth, esophagus and stomach.
Skin contact:	Due to its alcalinity in solution, Thermocromex can irritate the skin. A prolonged contact with Thermocromex could cause burning of the skin.
Contact with the eyes:	Thermocromex can cause irritation and severe lesion of the pupil. Prolongued washing and ophtalmologic consultation are recommended
Chronic hands, skin disorders:	Prolongued exposure without adequate protection (gloves) can cause dermatitis
Cancer risks:	Not found
Genotoxicity:	Not found

ECOLOGICAL INFORMATION

Mobility:	None
Potential bio-accumulation:	None
Ecotoxicity:	In case of accidental dispersion in waters, the Thermocromex powder could moderately increase the water pH.

DISPOSAL INFORMATION

After hardening, as a mortar waste, Thermocromex can be disposed of together with other construction site waste and stockpiled in discharge sites following the regulations valid at the time of disposal.

TRANSPORT INFORMATION

Classified as non hazardous merchandise in accordance with transport regulations..

COMPULSORY INFORMATION

Danger symbol:	X_i irritant
Principal components:	Calcareous sand, NHL lime and cement
Phrases R:	R36/37/38 irritant for the eyes, respiratory tracks and skin. R41 risks of severe eyes lesion.
Phrases S:	S2 keep away from childrens' reach S24/25 avoid contact with skin and eyes S26 in case of contact with the eyes wash immediately and abundantly with clean water and consult a specialist S37 wear adequate gloves
Professional illnesses:	Social security code : not applicable
Special medical surveillance:	Not envisaged

OTHER INFORMATION: None

The recommendations in this document are based on our knowledge as it stands today related to Natural Hydraulic Limes, sands and additives. They are given in good faith.

Under no circumstance the information can be considered as a quality guarantee.

The User attention is drawn to the eventual risks caused by the utilisation of a product for different purposes from the ones for which the product has been envisaged. It is the responsibility of the User to adopt the appropriate safety measures and to apply all regulations current at the time of use. The prescriptions contained in this document are given to help the User to fulfill its obligations. The precautions listed cannot be considered as exhaustive.

See Also: [Thermocromex Data Sheet](#)

For further Guidance, contact your St Astier Distributor.

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