



Material Safety Data Sheet for FOREX[®]

according to Regulation (EC) No. 1907/2006

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revised: 23.06.2016

SECTION 1 Identification of substance / preparation and of the company

Trade name: FOREX[®] – Expanded rigid PVC sheets
(FOREX[®] classic, FOREX[®] color, FOREX[®] print)

Use: Semi finished sheets for visual communication and selected construction and industrial application

Manufacturer: Airex AG
5643 Sins, Switzerland
Tel +41 41 789 66 00 (only serviced during office hours)
Fax +41 41 789 66 60
E-Mail: corematerials@3AComposites.com

SECTION 2 Hazards identification

If used as intended, FOREX – expanded rigid plastic sheets do not constitute any risk to public health and the environment.

Possible health issues: Harmful to health when inhaling dust and vapours during unpacking, sawing, grinding and thermoforming.
Harmful to health when ingesting dust generated during sawing and grinding.

SECTION 3 Composition / Information on ingredients

Rigid plastic sheets made of expanded PVC, also containing process aids, pigments and inorganic fire retardants. Produced by expansion (foaming) using chemical blowing agents.

Blowing gaz: Nitrogen.

Further ingredients: Residues of chemical blowing agents.
Organic color pigments. Stabilisers.

SECTION 4 First aid measures

Inhalation of processing fumes: Move the person concerned to fresh air;
seek medical assistance if breathing difficulties occur.

Inhalation of smoke from fire: Move the person concerned to fresh air and call doctor.

Skin contact: Wash with fresh water.

Eye contact: Wash with fresh water if irritation develops.

Ingestion: No special measures required.
Seek medical assistance if symptoms develop.

SECTION 5 Fire-fighting measures

Suitable extinguishing media: Water spray, foam.

Extinguishing media which must not be used: Direct water jet.

Hazardous combustion products: Hydrogen chloride (HCl).

Breathing equipment with independent air supply is required for fire fighting.

SECTION 6 Accidental release measures

No special measures required.
Remove by mechanical means.



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SECTION 7 Handling and storage

Handling: Ensure good ventilation and dust extraction on processing machines and at other places where dust may develop.

Storage: Stow away from immediate and dangerous sources of ignition. Danger of electrostatic charges when stored in very dry areas.

SECTION 8 Exposure controls / Personal protection

General protection measures: Sufficient air circulation is required during processing.

Occupational exposure limits

	Source	Type of limit	Value (mg/m ³)	Remarks
Dust	SUVA	Max. expos. at workplace	10	inhalable particles

Personal protection equipment: Respiratory protection: Efficient breathing mask.
 Skin (hand) protection: Gloves.
 Eye protection: Safety goggles.

SECTION 9 Physical and chemical properties

Physical state: Rigid foamed plastic sheets.
 Colour: white, black, various colours.
 Softening temperature: > 80 °C
 Thermal decomposition: > 180 °C
 Ignition temperature: > 450 °C
 Apparent density: 430 – 700 kg/m³
 Solubility: Insoluble in: Water, sea water, acids and bases, aliphatic hydrocarbons.
 Soluble in: Aromatic hydrocarbons, ketones, chlorinated hydrocarbons.

SECTION 10 Stability and reactivity

General information: Stable in normal conditions.
 Conditions to avoid: High temperatures (> 180 °C).
 Materials to avoid: Not applicable.
 Hazardous thermal decomposition products: Hydrochloric acid (HCl)
 Carbon dioxide (CO₂)
 Carbon monoxide (CO)