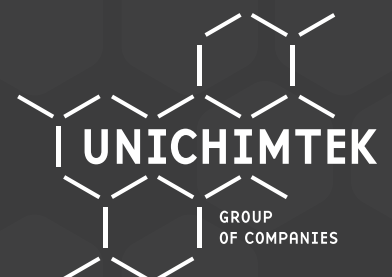




EFFECTIVE FIRE PROTECTION

Fire protection materials



ABOUT THE COMPANY

UNICHIMTEK is market leader in Russia for development and production of fire-protection materials. One of pioneers of Russian fire-protection materials manufacturing.



UNICHIMTEK was founded in 1990 in the chemical laboratory of Moscow State University. Today UNICHIMTEK has its own scientific and technical base as well as a production complex, which allows us to realize the full cycle of manufacturing from processing of raw materials to final products. The production site of UNICHIMTEK is **22 000 m²**, where more than **500** people are employed.

UNICHIMTEK offers not only a wide range of OGRAX[®] fire-protection materials, but also an integrated approach to satisfying Customer's requests. It includes development of new materials on the Customer's technical specification, testing of these materials with subsequent certification, training, supervision, as well as design engineering of fire protection and application of materials.

TURN-KEY APPROACH TO FIRE PROTECTION

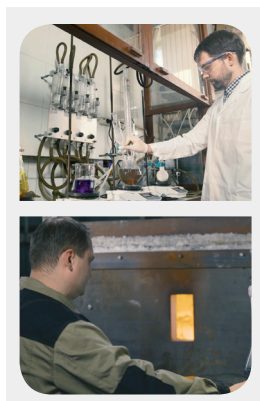
Development

▶ Production

▶ Design-engineering

▶ Supply

▶ Application works



OGRAX[®] fire-protection materials confidently provide a reliable passive fire protection for many years already, protecting lives of people and property of companies.

REACTIVE COATINGS FOR STEEL STRUCTURES



OGRAX-V-SK
Water-based coating
for dry indoors applications



Time to reach design temperature (500 °C) of steel	15-90 minutes
Intended use	Dry indoor spaces, RH: < 85%, t°: from - 50°C to +60°C
Conditions of application	t°: >+5°C , RH: < 85%



OGRAX-SK-1
Organic-based coating
for indoors applications



Time to reach design temperature (500 °C) of steel	45-90 minutes
Intended use	All types of indoor spaces, t°: from - 50°C to +60°C, limited exposure
Conditions of application	t°: from +5°C to + 50°C
Drying time between layers	2-3 h



OGRAX-MSK
Graphite-based coating
for exposed conditions



Time to reach design temperature (500 °C) of steel	45-90 minutes
Intended use (without top-coat)	Exposed conditions, t°: from - 60°C to +60°C
Conditions of application	t°: from - 25°C to + 50°C ; RH: < 85%
Chemical resistance	Coating is resistant to aggressive medias



OGRAX-SKE
Two-component
epoxy-based material



Time to reach design temperature (500 °C) of steel	45-120 minutes
Intended use (without top-coat and primer)	Exposed conditions, t°: from - 60°C to +60°C
Conditions of application	to: from +5°C to + 50°C ; RH: <90%
Chemical resistance	Coating is resistant to aggressive medias
Equipment for application	Standard equipment for airless spray application

REACTIVE COATINGS FOR CABLES



OGRAX-V1

Water-based reactive coating for indoors applications



Intended use Dry indoors application,
RH: <85%,
t°: from - 50°C to +60°C

Conditions of application t°: from +5°C to + 50°C



OGRAX-VV

Water-based reactive coating for indoors applications



Intended use Dry indoors application,
RH: <85%,
t°: from - 50°C to +60°C

Conditions of application t°: > +5°C , RH < 85%



OGRAX-M

Graphite-based reactive coating for exposed conditions



Intended use conditions of cold
temperatures and exposure

Conditions of application t°: from -25°C to +50°C ,
RH: < 95%.



OGRAX-L1

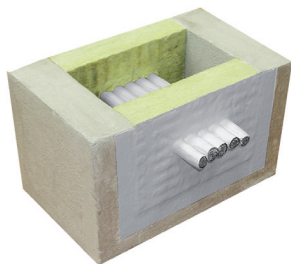
Roll material for difficult cables



Intended use conditions of cold
temperatures and exposure

Application strips are applied
on cable

CABLE PENETRATION SEALS



OGRAX-KP

for permanent cables penetrations

Composed of mineral wool boards and OGRAX- VV fire protection intumescent material.



OGRAX-OTP

for temporary permanent cable penetrations

Composed of glass fabric cover filled with intumescent material and mineral filler.



REACTIVE COATINGS FOR TIMBER



OGRAX-V-SK

Water-based coating
for indoor applications



Intended use	Dry indoors application, RH: <85%, t°: from - 50°C to +60°C
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Conditions of application	t°: from +5°C; RH: < 85%
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OGRAX-PD-2

Water-based material with both fire-
and biological protection properties
for indoors applications and exposed conditions



Intended use	from - 60°C to +60°C
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Conditions of application	t°: from +5°C; RH: < 85%
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FIRE COLLARS



OGRAX-PM

Fire collars for pipes



- ▶ Prevents fire propagation along plastic pipes;
- ▶ Comprised of metal housing with intumescent filler;
- ▶ Rigid fixation on wall or ceiling

COMPONENTS FOR FIRE PROTECTION PRODUCTS

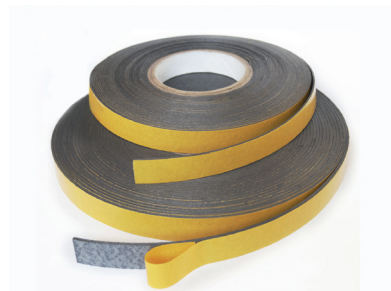


OGRAX-L

Intumescent strips and rolls



- ▶ Elastic intumescent material in form of rolls and strips;
- ▶ Manufactured with and without adhesive backing;
- ▶ Intended to use in fire-doors, fire-ducts, elevators, etc.



OGRAX-LTU

Intumescent strips and rolls



JSC «UNICHIMTEK»
2, Zavodskaya str., Podolsk,
mkr.Klimovsk, Moscow region
142181, RUSSIA

tel.:+7 (495) 580-38-90
sale@ograx.ru
www.ograx.ru



UNICHIMTEK

GROUP
OF COMPANIES