

Nuclear market



Our customized solutions
for your safety



GROUPE

efire

— Since 1872 —

Nuclear Challenges, Efire Solutions: Our Commitment, Your Success

AN INTERNAL ORGANIZATION TAILORED TO YOUR PROJECTS

THE EFIRE NUCLEAR EXPERTS

Efire's nuclear team members understand the requirements and specifics of the sector, having worked on major projects. Their expertise ensures process compliance, effective risk management and a high level of responsiveness, while enhancing the safety of your installations.

Our team of experts is actively involved in the French nuclear industry grouping (Gifen) and the Nuclear Valley competitiveness cluster.



A PROJECT MANAGEMENT OFFICER (PMO) DEDICATED TO YOUR PROJECT

The Project Management Officer (PMO) assigned to your nuclear project is responsible for carefully monitoring, organizing and coordinating the project. He ensures that requirements are met and that processes are followed for efficient management. They play a key role in achieving strategic objectives.

A RELIABLE ENGINEERING AND SERVICES DEPARTMENTS

RESEARCH AND DEVELOPMENT DEPARTMENT



Studies

- Mechanical finite element analysis
- Reliability studies
- Support in writing specifications



Tests

- Mechanical and sealing
- Adapted to customer specifications



Collaboration contracts on our R&D projects



Development

- Existing ranges
- New product innovation

TO MAKE YOUR INSTALLATIONS MORE RELIABLE, TRAIN YOUR TEAMS IN BOLTED FLANGE ASSEMBLY



The Eynard Robin Formations Bolted Flange Assembly training will enable you to understand leakage phenomena, understand will enable the interactions between elements and carry out quality jointing operations.



Theoretical and practical content based on real-life cases



On your site or on our equipped premises



Qualiopi certification

Our training courses may be covered by your OPCO.

40 years of Nuclear Safety expertise

Efire solutions in your nuclear power plant

Pressurizer

Graphitor® GBM
Gasket with graphite ring
Spigraph®
Spiral wound gasket

Steam generator

Graphitor® GBM
Gasket with graphite ring
Spigraph®
Spiral wound gasket
Eymag®
Graphite ring

Primary pump

Spigraph®
Spiral wound gasket
Eyrtor®
Metallic C-RING

Pumps, valves piping, steam sealing

Graphitor® GBM
Gasket with graphite ring
Spigraph®
Spiral wound gasket
Strigraph®
Camprofile gasket

Favorigraph®
Pressure sealed gasket
Eymag®
Graphite ring
Eyrtor®
Metallic C-RING

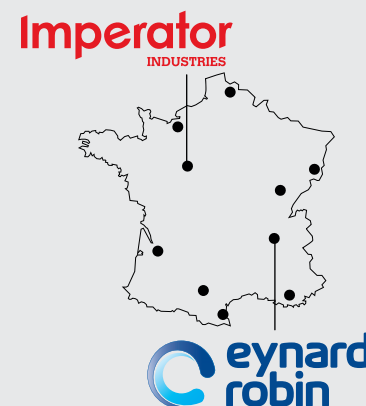
Eyrgraf® MLX
Graphite gasket
KLINGER® Top-Chem 3210
Modified PTFE gasket
Composite PEEK WR® 525
Machined part

EFIRE GROUP TRUSTED PARTNER OF MAJOR INDUSTRY PLAYERS

The Efire Group is specialized for more than 150 years in sealing, precision metal cutting, fluid transfer and has 10 production sites in France. We offer a wide range of standard and customized technical solutions to meet the most demanding industrial requirements.

Our companies Eynard Robin and Imperator Industries are recognized as experts in sealing solutions for nuclear industry processes. Our teams are with you at every step of your project, from defining your needs to manufacturing your customized solution.

Bringing solutions adapted to the industrie of tomorrow



CUSTOMER REFERENCES

EDF

Nuclear production cell, auxiliary circuit and cooling loop, exchangers, engine room

ORANO Fuel cycle

Uranium enrichment and waste processing

FRAMATOME

Steam generators, pressurizers and primary pumps

GE Steam Power

Pumps, turbine hall

Research reactors

RJH, RES, ITER

Reactors equipped

Provider of all running French power plants
EPR Flamanville projects, Olkiluoto, Taishan 1 & 2 and Hinkley Point C 1 & 2...

Engineering-design

EDF Engineering, TechnicAtome, Cegelec CEM, Onet Technologies, Nuvia, Tractebel...

Keep your installations tight and secure with our high-performance solutions



EYRGRAF® MLX

GRAPHITE GASKET

Pure flexible graphite reinforced
with stainless steel inserts

PMUC N° 17-0412 

FAVORIGRAPH®

PRESSURE SEALED GASKET

Graphite ring with metallic
crush limiter

PMUC N° 17-0145 

GRAPHITOR® GBM

GASKET WITH GRAPHITE RING

Graphite ring with stainless
metal core

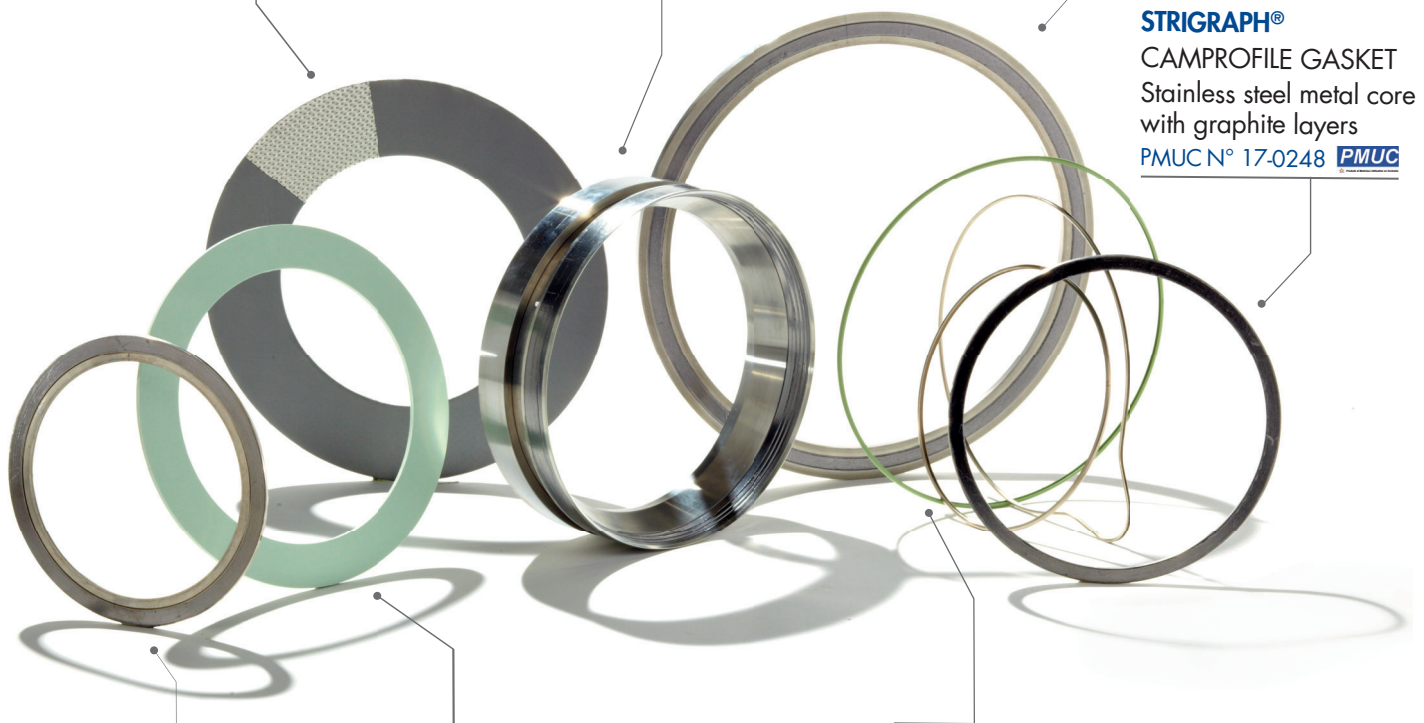
PMUC N° 17-0182 

STRIGRAPH®

CAMPROFILE GASKET

Stainless steel metal core
with graphite layers

PMUC N° 17-0248 



SPIGRAPH®

SPIRAL WOUND GASKET

Stainless steel and graphite

PMUC N° 17-0244 

KLINGER® Top-Chem 3210

MODIFIED PTFE GASKET

Modified PTFE filed with silicate

PMUC N° 17-0314 

EYRTOR®

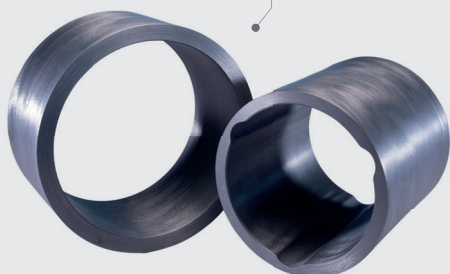
METALLIC C-RING

Stainless steel or alloy ring
with a silver, gold, nickel, tin coating

HIGH TEMPERATURE THERMOPLASTIC COMPOSITE

PEEK WR® 525 COMPOSITE

HIGH TEMPERATURE
THERMOPLASTIC COMPOSITE
Thermoplastic composite with carbon
in a PEEK matrix



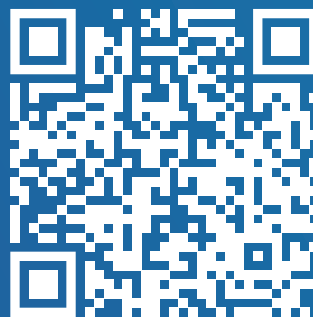
Extend the life of the wearing parts of your pumps

Greene Tweed's WR® (Wear Resistant) range reduces wear and friction, while improving anti-stick and anti-seize performance. With extended dry running and exceptional chemical resistance, WR® materials increase the stability and efficiency of your equipment.



KEY BENEFITS

- High chemical resistance
- Low friction coefficient
- Shock resistance
- Thermal shock resistance



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to the industrie of tomorrow