

ECO-FRIENDLY

NATURAL, HUMAN WARMTH

PROTECTING YOUR BUILDING AND YOUR QUALITY OF LIFE

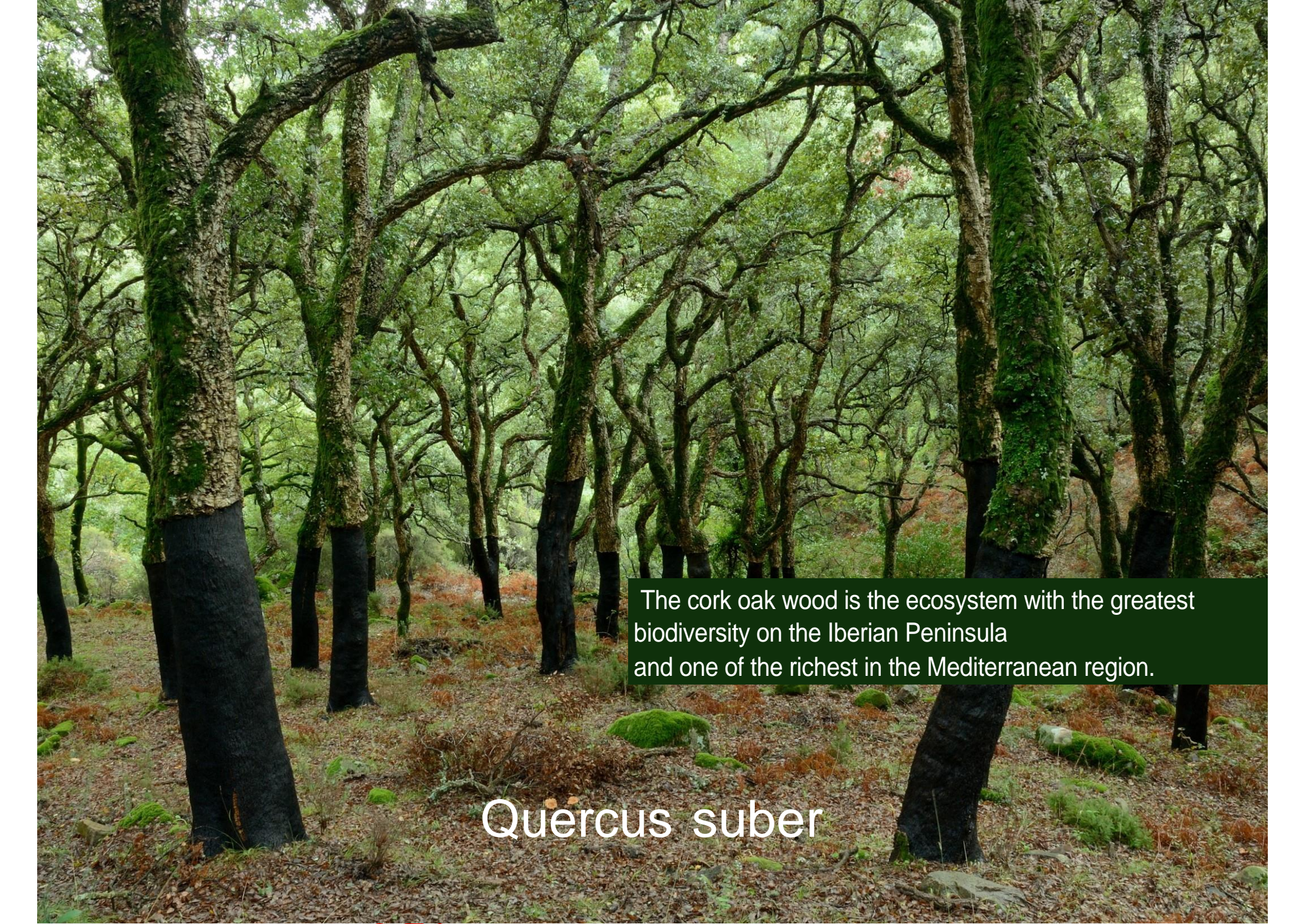


ASSOCIATION OF QUANTITY SURVEYORS,
TECHNICAL ARCHITECTS AND BUILDING
ENGINEERS OF BARCELONA
VALLÉS OCCIDENTAL

KliuSolutions SL is a young company that specialises in the manufacture of spray-on cork.

A team of committed, enterprising professionals with experience in a wide range of areas is responsible for marketing the product, always respecting all those who put their faith in our project, developing competitive products that put a premium on quality based on the fine and noble material that is cork.






The cork oak wood is the ecosystem with the greatest biodiversity on the Iberian Peninsula and one of the richest in the Mediterranean region.

Quercus suber



Today, cork harvesting is the only activity that guarantees the continuity of our cork oak forests and allows us to safeguard their incredible natural wealth.

“Cork pile” of prepared cork planks.



Cork granules are also used in the production of other products manufactured from agglomerated cork.

Granulated cork

cork properties

1. Lightweight
2. Elasticity
3. Excellent adherence
4. Waterproof
5. Great heating power
6. Easy to handle
7. Low water content
8. AiThermal insulationlante térmico



cork properties

But most importantly,
...it is 100% natural, eco-friendly, recyclable,
biodegradable and renewable:
attributes that today are essential for a society
that is committed to reducing pollution, protecting
the environment and acting in a sustainable way.



cork

natural insulation

Natural insulators offer numerous advantages over synthetic ones:

- ✓ They come from natural sources and are renewable.
- ✓ They do not pollute or emit gases or toxic particles into the atmosphere during either manufacture or use.
- ✓ They are energy-efficient. Very little energy is used in their manufacture, transport or use.
- ✓ They generally come from the region itself.



cork natural insulation

- ✓ They help to save energy thanks to their excellent insulation properties.
- ✓ They have very good soundproofing properties.
- ✓ They are hard-wearing and easy to maintain and repair.
- ✓ They are produced in a socially-friendly manner.



cork natural insulation

- ✓ They produce little waste and can be recycled and reused, with the consequent energy savings in preparing raw materials.
- ✓ For example, they do not conduct or build up static electricity, or emit electromagnetic fields of any kind.



cork sustainable building

Sustainable building...

- ✓ makes a point of respecting and protecting the environment
- ✓ ... implies the efficient use of energy and water,
- ✓ ... uses resources and materials that do not harm the environment,
- ✓ ... is healthier, and
- ✓ ... tends to minimize environmental impacts.



PHYSICAL PROPERTIES OF CORK

PROPERTY	VALUE
Density, kg m^{-3}	120-180
Thermal conductivity, $\text{W m}^{-1} \text{ } ^\circ\text{C}$	0.045 (cork) 0.025 (air)
Acoustic resistance, $\text{kg m}^{-2} \text{ s}^{-1}$	1.2×10^{-5}
Friction coefficient	0.35-0.76 (cork/glass) 0.77-0.97 (cork/cork)
Resistance to compression, kPa	336
Permeability to water vapour, mg m-h Pa^{-1}	487×10^{-4}

Spray-on cork by KliuCork eco-friendly continuous cladding

Our product came about in response to a...

- ✓ Need (to decorate/insulate homes and workspaces)
- ✓ Desire (to find eco-friendly, people-friendly solutions with excellent technical properties that allow people to live in harmony with natural insulators)
- ✓ Purpose (service, quality and technical excellence in housing under the umbrella of sustainable building)



Spray-on cork by KliuCork

eco-friendly continuous cladding

KliuCork is a top quality eco-friendly cladding manufactured by KliuSolutions SL, whose main components are:

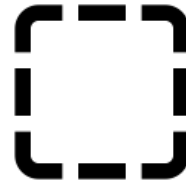
- cork from the cork oak tree (*Quercus suber*)
- resins of plant origin
- organic pigments (colorants)



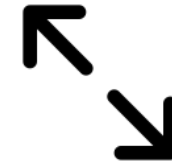




waterproof
façades/roofs



breathable
capillarity/con
densation



elastic
joints/movements



insulation
thermal
bridge/inertia



adherent
99% of surfaces



**improves
acoustics**
insulation/sound
absorption



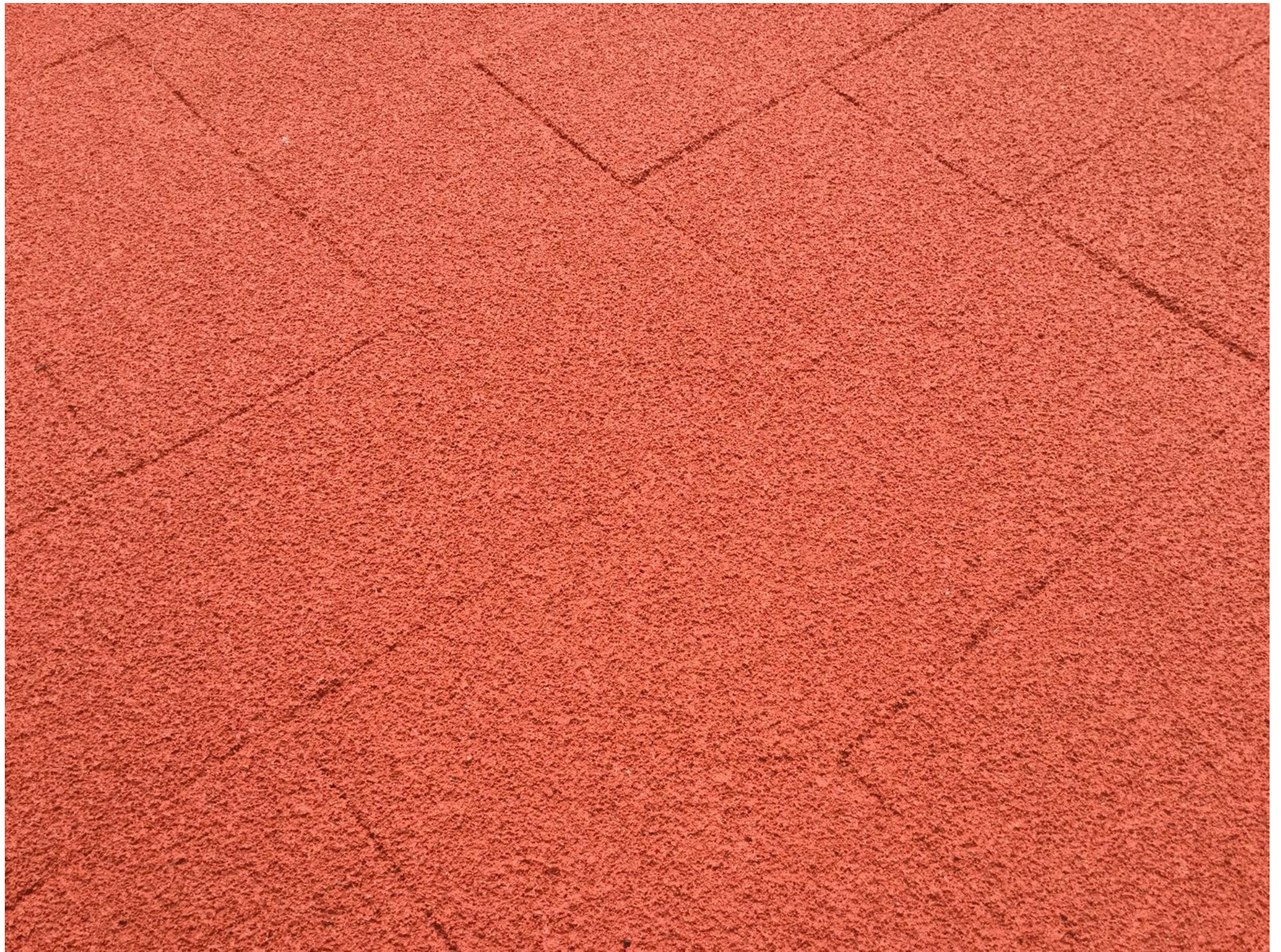
eco-friendly
non-polluting/healthy



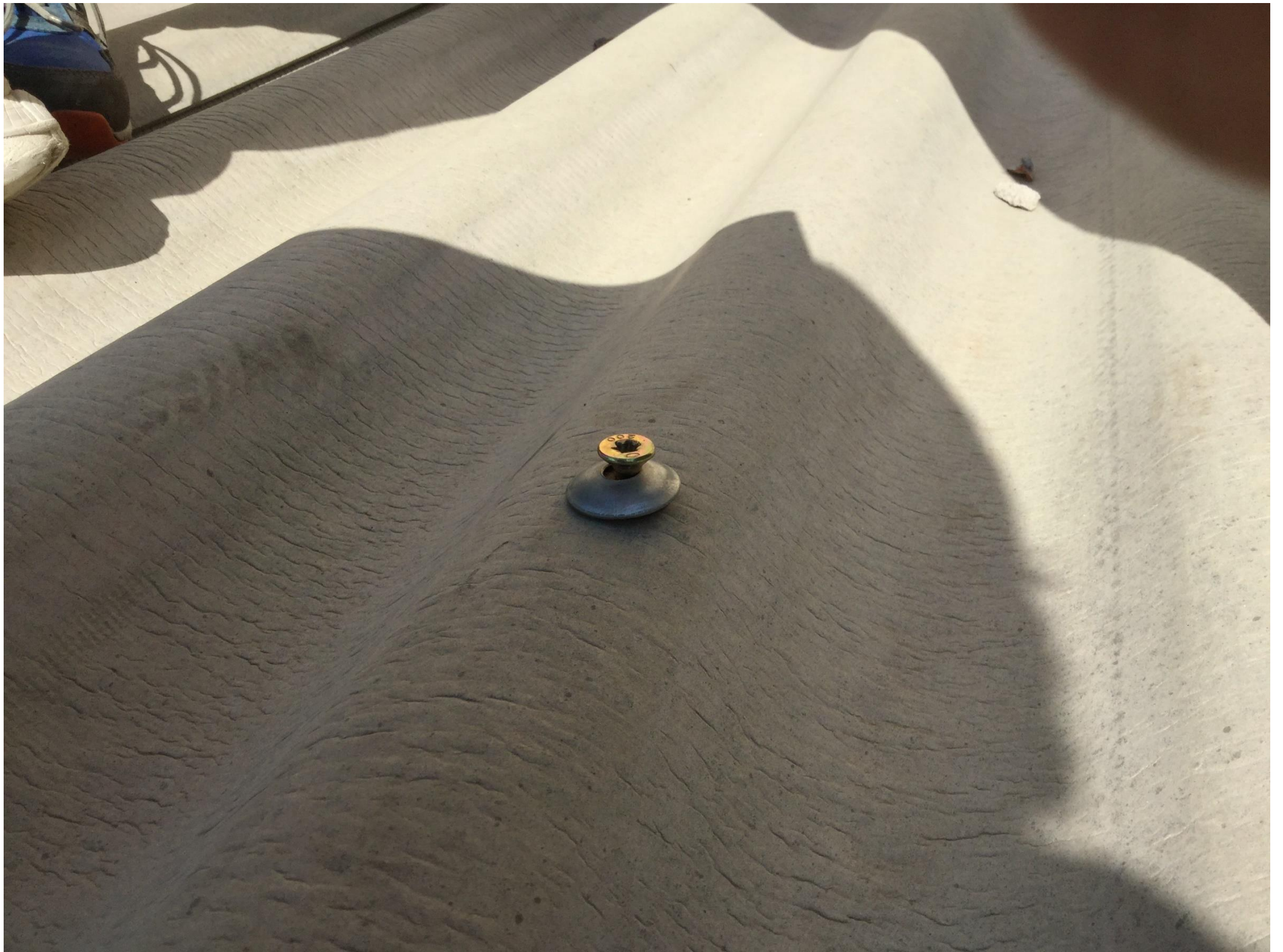
ASSOCIATION OF QUANTITY SURVEYORS,
TECHNICAL ARCHITECTS AND BUILDING
ENGINEERS OF BARCELONA
VALLÉS OCCIDENTAL









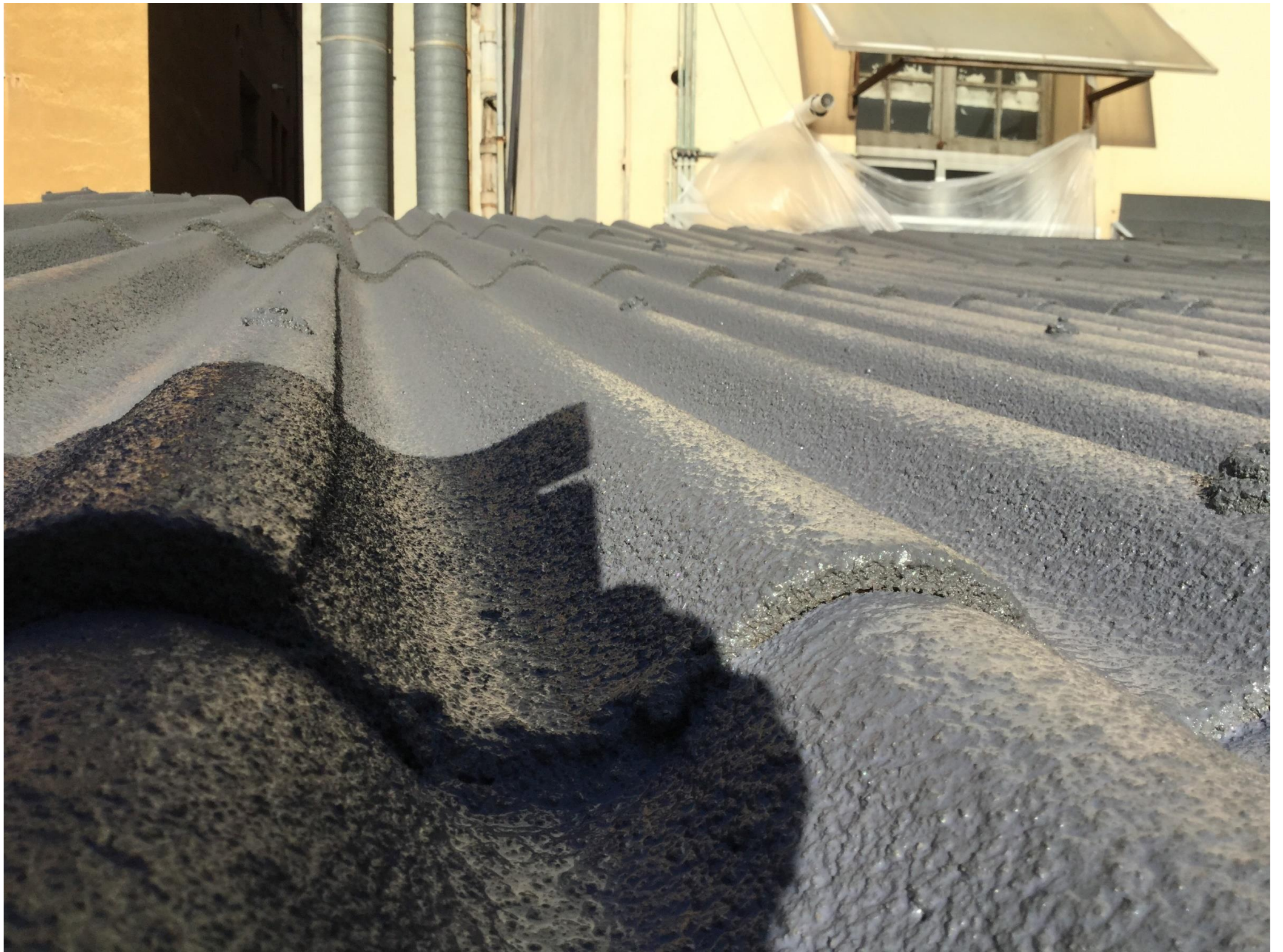












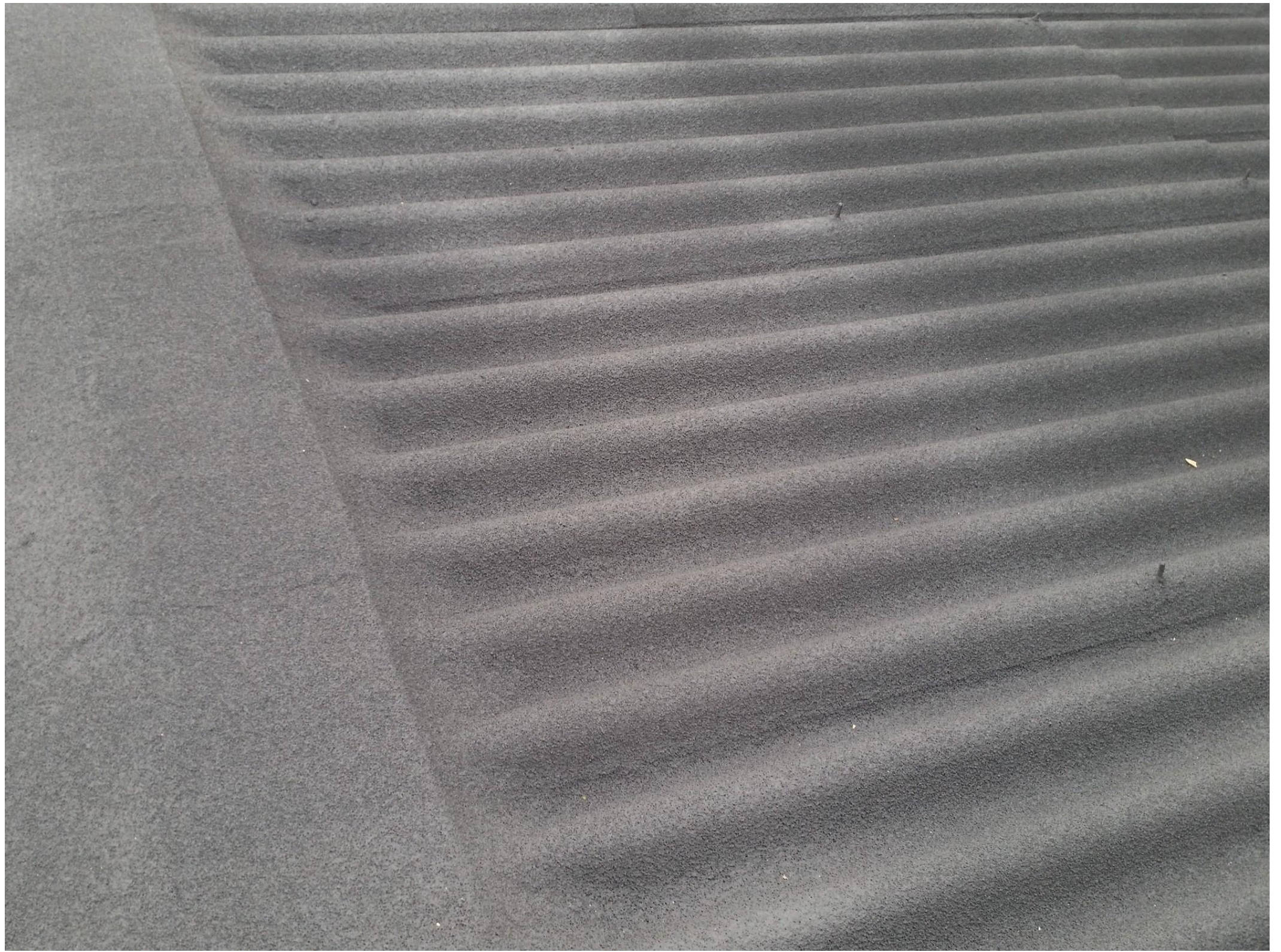


















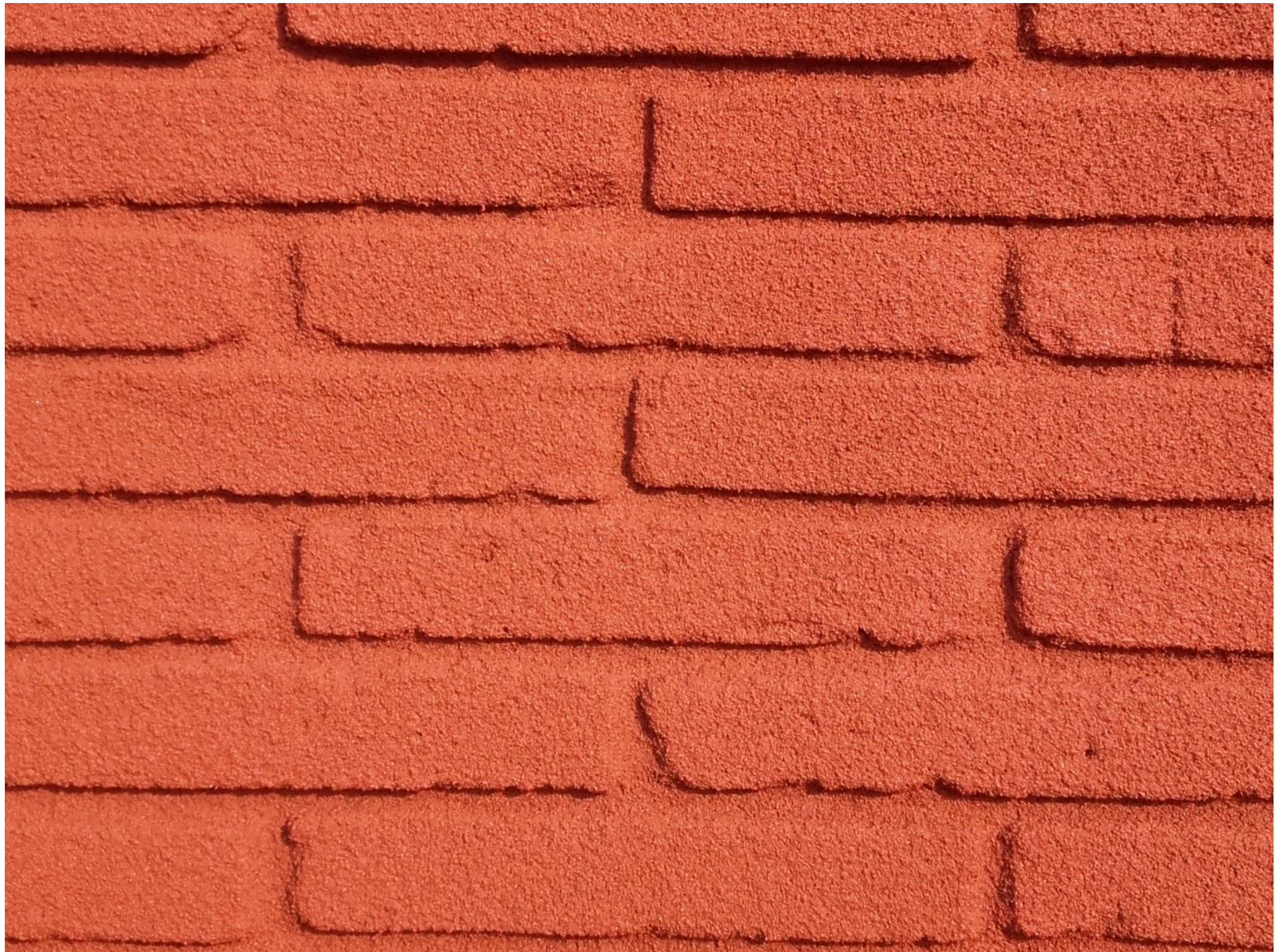






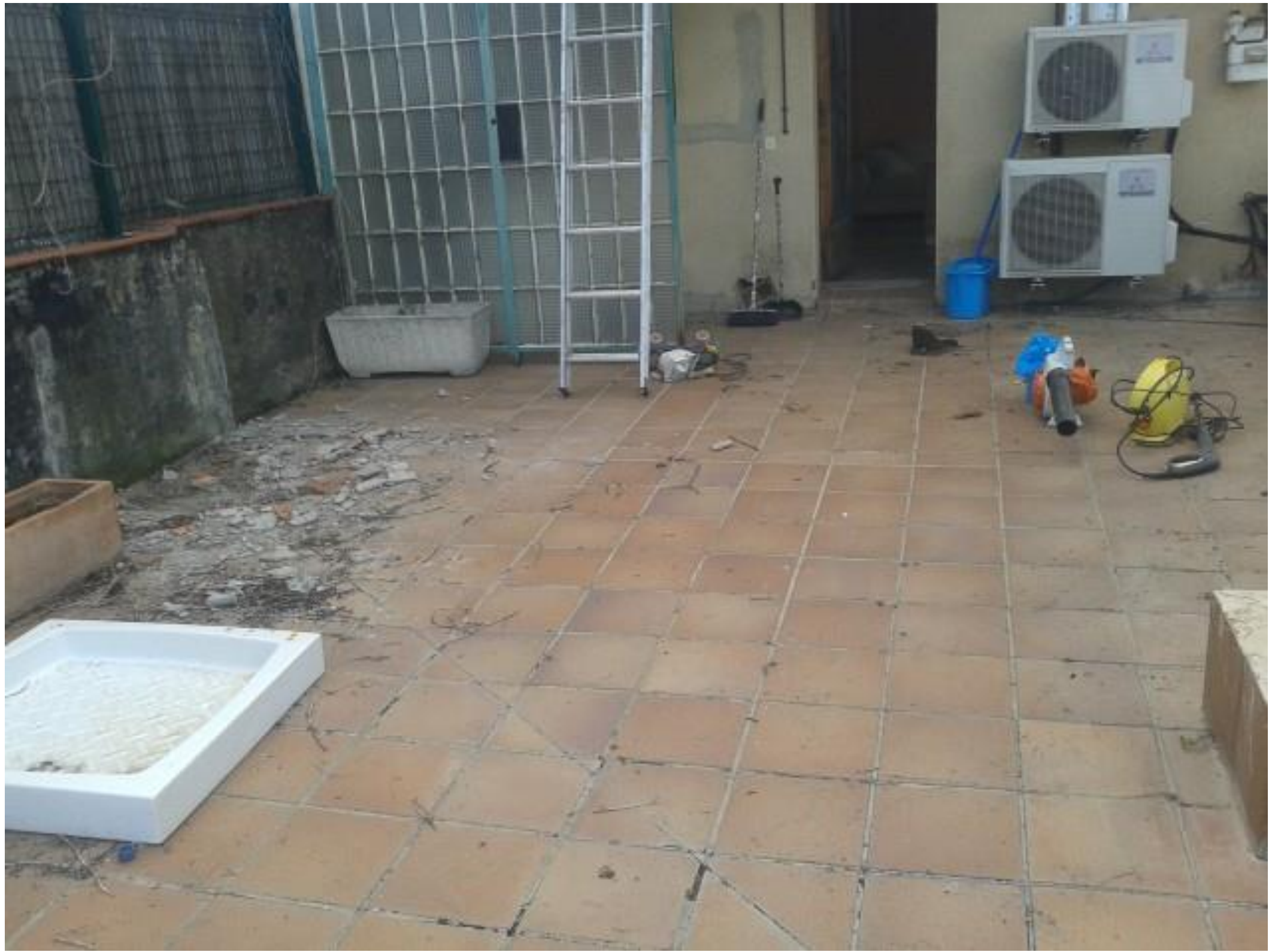






















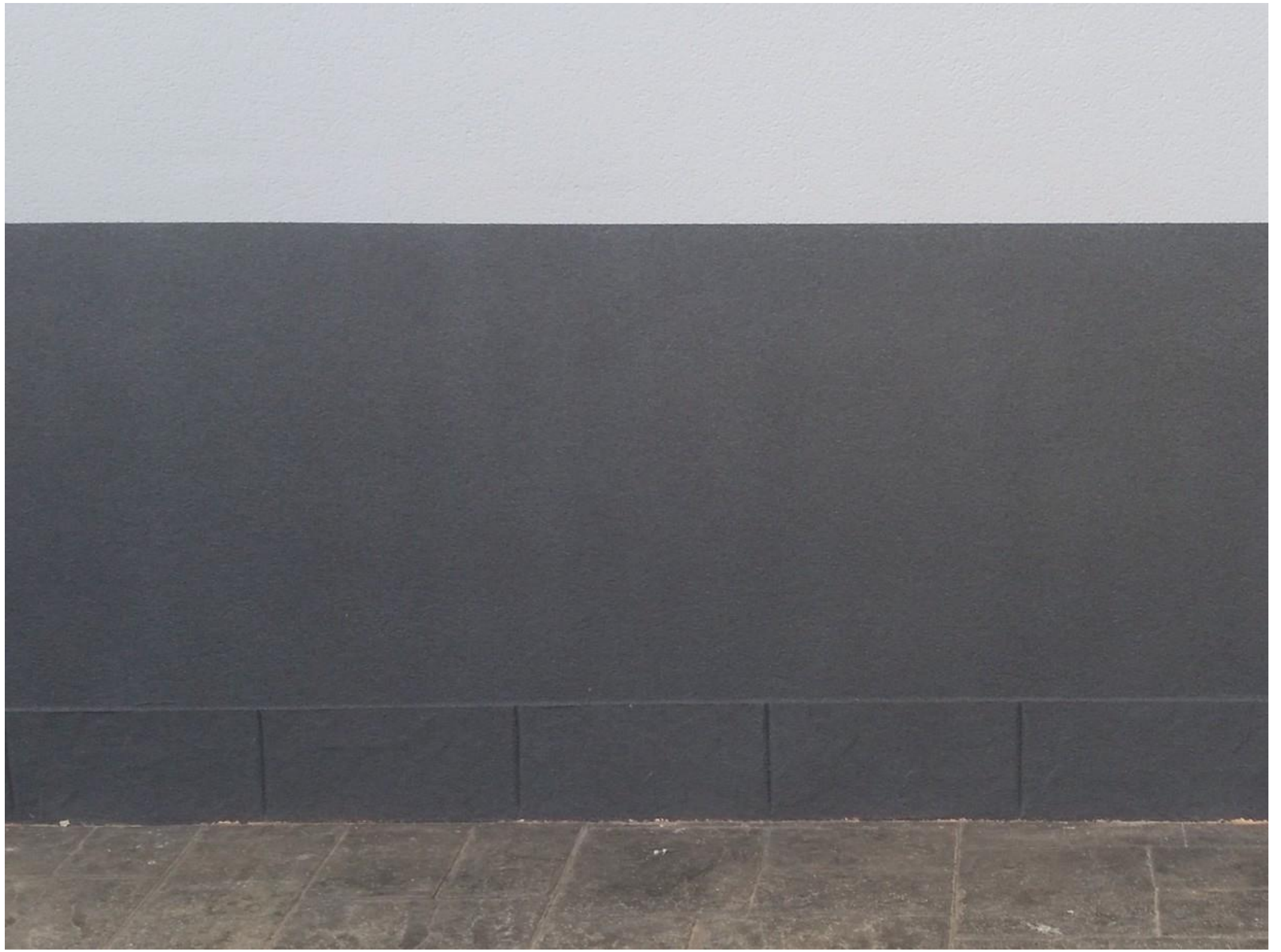
03.08.20



29.08.2011

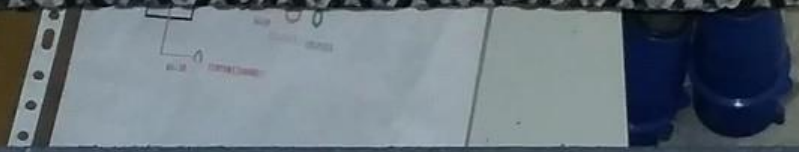






PISAR

↓ NO ↓





3J
IMPERMEABILIZACIONES
CORCHO NATURAL PROYECTADO
 676 382 118
APLICADOR OFICIAL

FACEDAS, TEJADOS, URALITA,
 CANALONES, ANTIHUMEDAD,
 ANTISALITRE, INTERIOR, EXTERIOR,
 AISLANTE, TÉRMICO Y ACÚSTICO

3J
IMPERMEABILIZACIONES
676 382 118

DESCORPROVEG.
CORCHO NATURAL PROYECTADO
 TRABAJOS TÉCNICOS EN PVC
 TELAS ASFÁLTICAS PERFORADAS
 DEPÓSITOS DE AGUA
 CUBIERTAS
 BALCONES
 TERRAZAS

V-3413HG

HOY
 EL SOCIALISMO NO ES
 DEL PAÍS





KliuCork, is an eco-friendly, hard-wearing, non-hazardous and non-toxic solution made from cork and natural resins.

Solutions and improvements

Waterproofing, damp patches, thermal insulation, sound insulation, encapsulation of asbestos and saltpetre problems.

Recommended for application to

Walls, façades, roofs, ceilings, slippery floors, paving, swimming pools, metal and wood surfaces and decoration of interiors, amongst others

Product application

The product should be applied by approved companies or professionals.

The area where it is to be applied should be clean, dry and free from dust or grease.

General recommendations

Keep out of reach of children.
Make sure the container is securely closed.

Storage

Do not expose the product to direct sunlight.
Do not expose to temperatures higher than 45°C or lower than -2°C.

Product warranty

KliuSolutions S.L., the manufacturer of KLIUCORK, offers a 10-year warranty.



KLIUCORK

(Nº. DdP: 01)

EN 1504-2

Notified body:: AIDIMA Nº. 1981

Use: Surface protection - Cladding: damp control and increased resistance

Key characteristics

Fire performance:

B-s2,d0

Permeability to water

vapour:Clase I: $s_D < 5m$

Capillary absorption and permeability to water:

$w < 0,1 \text{ kg/m}^2\cdot\text{h}^{0,5}$

Strength of adhesion by direct traction:

$\geq 0,8 \text{ N/mm}^2$

Available in various colours

Product appearance:

viscous

Non-slip

Thermal conductivity:

$\lambda = 0,038 \text{ Kcal / h}^\circ\text{C m.}$

C/ Domènech i Montaner, 9 - 08191 Rubi, Barcelona
www.kliusolutions.com | kliu@kliusolutions.com

Customer Service line::
932 526 695



ASSOCIATION OF QUANTITY SURVEYORS,
TECHNICAL ARCHITECTS AND BUILDING
ENGINEERS OF BARCELONA
VALLÉS OCCIDENTAL

“Environment, technology and
tradition – protecting your
buildings, your surroundings and
your quality of life”





Our partners



ASSOCIATION OF QUANTITY SURVEYORS,
TECHNICAL ARCHITECTS AND BUILDING
ENGINEERS OF BARCELONA
VALLÉS OCCIDENTAL



Jorge Fernández

founding partner

+34 620 94 01 93

jorge@kliusolutions.com

www.kliusolutions.com



ASSOCIATION OF QUANTITY SURVEYORS,
TECHNICAL ARCHITECTS AND BUILDING
ENGINEERS OF BARCELONA
VALLÉS OCCIDENTAL