





Editorial

After several years of experience of soil stabilizing and reinforcing slopes, **we have dealt with many different types and forms of problems which have helped us improve our product.** From finding technical solutions, to landscape integration, the diversity of projects has enabled us to develop innovative solutions that are unique within the market.

With many international patents, **SCOPE is a key player in the stabilization market and in reinforcement techniques.**

Because safety is our main concern, our engineers have developed reliable products approved by our partners on very

demanding projects. Beyond just performance, we also worked on the time our clients will gain using the ACROSOLS®. Our solutions are **efficient, economical but also environmentally friendly**, perfectly integrated into the landscape and respectful of their environment.

As a true partner, SCOPE works equally well with construction companies as it does with private projects.

For more information, please visit our website

www.scope-distribution.com.



Development & marketing of stabilization technologies

+ see more WWW.SCOPE-DISTRIBUTION.COM





ACROSOLS[®]



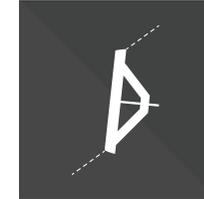
ECONOMICS

ACROSOLS[®]: an **innovative** and **economical solution for rapid implementation** involving minimal earthworks.



ECOLOGY

An ecological and sustainable system enabling **optimal integration into the landscape**. Filled with calibrated stones and rendering vegetal walls.



TECHNOLOGY

Lightweight and resistant metal shaping (235 kN / structure, safety coefficient 1.5) designed to distribute the load on a central anchor.

“A light, quick and improved metal structure to stabilise your properties,”



ACROSOLS® patented model exclusively owned by **SCOPE** is a device to stabilize land without prior earthworks thanks to a lightweight, **quick to install structure with drainage, serving as a retaining wall.** Structures are sized according to the surfaces to be reinforced, the geological data of the terrain and the expected excess weights that could come (buildings, roads, private access, etc...).

The advantages are numerous: **a draining structure, ability to control the Anchors, uniform pressure upon the ground and integration into the landscape...** essential assets that make ACROSOLS® **THE ideal solution** for your reinforcement and ground stabilization works!





A reactive solution **to landslides**

To understand the ingenuity of the ACROSOLS® solution, **it is useful to assimilate principles relating to landslides.** A landslide is a geological phenomenon where a mass of earth descends down a slope following a more or less continuous, flat or curved trajectory. Whether motivated by a desire to prevent, or to stop it, **it is important to act rapidly by limiting earthworks as much as possible, and by fostering the drainage** of water

in order not to destabilize the ground. **ACROSOLS® is the only solutions to permanently block up the earth while letting water pass by, all while requiring a minimum amount of earthworks.** In addition, the supply of quality drainage materials offers a platform with a width previously calculated in accordance of the height and number of rows of ACROSOLS®.



ACROSOLS® with external point

“Two types:
internal point
or *external point*”

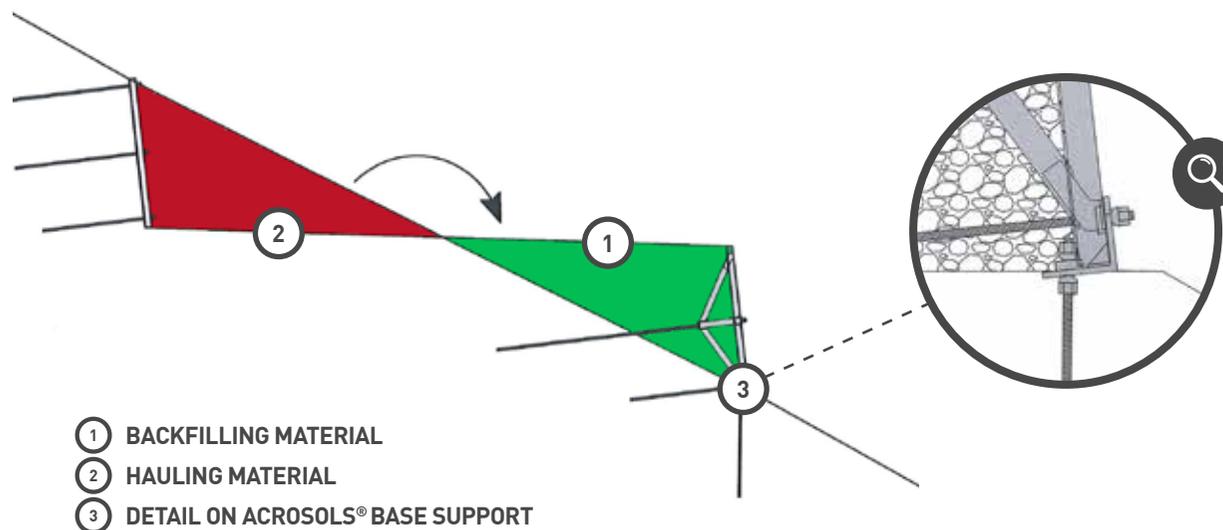
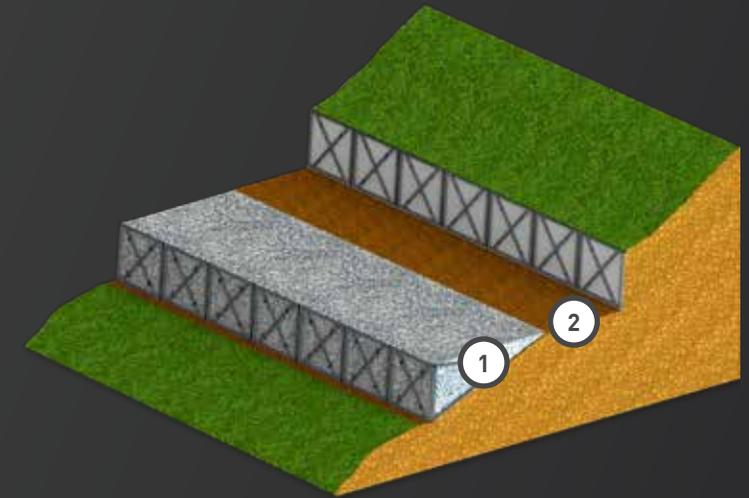


ACROSOLS® with internal point

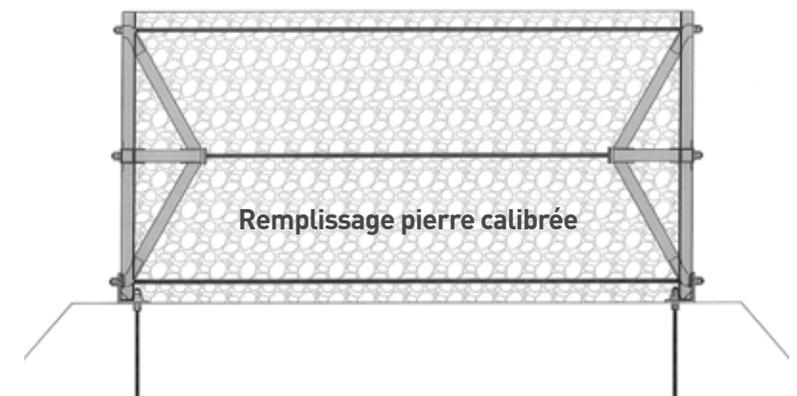


Steep slopes, terraces

In the presence of a significant drop (talweg) and in order to maintain proper flow within the plotted area, the ACROSOLS® solution makes it possible to **make up for hollows by means of a concrete strip foundations fixed by anchors**. If site concrete cannot be brought to site, or if it's a protected site, **it is possible to use metal parts, fixed by anchors**. ACROSOLS® can also make it possible to **hold back land after earthwork and thus free up a platform**, this will be studied in accordance with the chosen structure.



- ① BACKFILLING MATERIAL
- ② HAULING MATERIAL
- ③ DETAIL ON ACROSOLS® BASE SUPPORT



④ CROSS SECTION: POSSIBILITY OF CREATING EMBANKMENTS

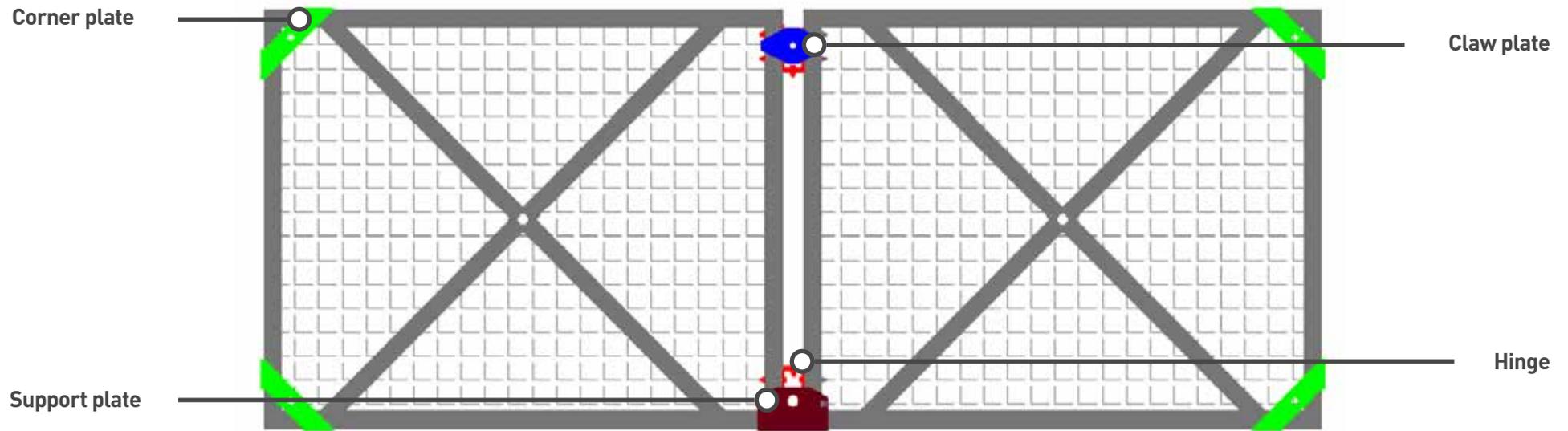


Benefits

- ★ Implementation with **minimal earthwork** to avoid destabilization of the ground
- ★ **Anchors can be controlled** when installing the structure
- ★ **Application of a uniform pressure on the ground**, the structure being plated using a hydraulic jack until the calculated traction is obtained
- ★ Due to the drainage of the structure, there is an **almost zero hydrostatic pressure**
- ★ **The structure can be positioned on the earth as a reinforcing point in certain configurations (creation of tracks, stabilization bankfilling, etc...)**
- ★ **Integration into the landscape** (ex rendering as a vegetal wall, filling with calibrated stones)
- ★ **Fast and economical** solution



Implementation & geometry



10

STRUCTURE	TREATMENT	WEIGHT
ACROSOLS® 2,40x3m	Hot dip galvanized	255 kg + 75 kg* = 330 kg
ACROSOLS® 2x3m	Hot dip galvanized	213 kg + 63 kg* = 276 kg
ACROSOLS® 2,40x3m (renfort latéral)	Hot dip galvanized	140 kg
ACROSOLS® 2x3m (renfort latéral)	Hot dip galvanized	125 kg

* Weight of internal point

Technical solution

The ingenuity of ACROSOLS®: a structure is designed to distribute the pressure onto a central anchor. Its dimensioning and design calculations are carried out by our design offices giving it with a resistance of 235 kN / structure with a safety factor of 1.5. In the event of overloading, it is possible to block weight bearing on the feet bottom of the structures and at the head with anchors and distribution plates.

In addition, the ACROSOLS® are treated by a hot dip galvanizing bath guaranteeing its durability over time and preserving of all its mechanical properties.



ACROSOLS®, an adapted system suitable for terrace enlargement



Specification sheet

- ★ S235 steel fittings (235 MPa)
- ★ S500 steel mesh (500 MPa)
- ★ A resistance of 235 kN/structure, safety coefficient of 1,5
- ★ Custom-made black or galvanized structures
- ★ Packaging for 50 ACROSOLS® of 3x2,5m on a tank transporter





Road widening, in Allondaz

Areas of use

With its lightness and rapidity to install, **ACROSOLS®** is the ideal solution for all your works:

- ✦ Ground **support and reinforcement**
- ✦ **Creation of roads**
- ✦ **Reinforcing** embankments, pylons
- ✦ **Stabilization** of penstocks
- ✦ **Water reservoirs**
- ✦ Construction of pontoons
- ✦ **Expansion** of terraces



TMB road strengthening (Tramway Mont-Blanc)



Strengthening of penstocks, on behalf of EDF



Road widening



Extension of private terrace, in Domancy



Implementation of ACROSOLS® with a reduced workspace

“An innovative system
for all your **stabilization**
works”



Strengthening of embankments, at Les Contamines



Strengthening of pylons

Use in **ski areas**

ECOSNOW®, a global solution to widening and creation of slopes.

A turnkey, fast, economical and environmentally friendly system to **secure ski runs in the most extreme conditions!** This device combines an ACROSOLS® or is grafted with ECOSNOW® elements as well as with protective mesh mats.

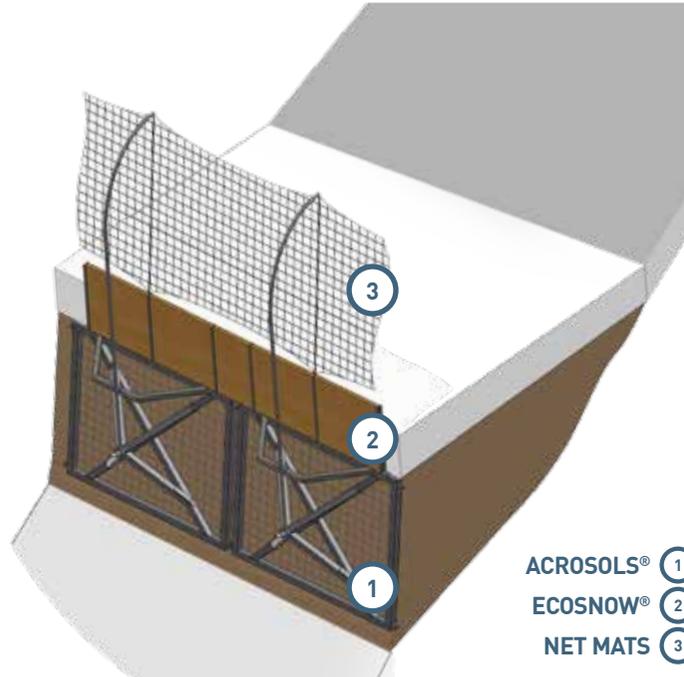


Avalanche **barrier system**

For the **safety of ski areas and houses at high altitude,** discover ACROSNOW®, an **innovative, light and fast system to implement single-anchor avalanche barriers.**



Enlargement of ski slopes, with ECOSNOW®



- ACROSOLS® ①
- ECOSNOW® ②
- NET MATS ③

Diagram of implementation, ECOSNOW® solution



ACROSNOW® avalanche barrier

They have **trust** S C O P E there solutions



+ see more www.scope-distribution.com



Contact US

SCOPE

400 BIS ROUTE DE L'AIGLIÈRES

74370 ARGONAY FRANCE

☎ +33.(0)7.68.13.69.26

✉ suren.g@scope-distribution.com

🌐 **WWW.SCOPE-DISTRIBUTION.COM**