



WEATH-  
ERED

# Overcoming the elements

Do you still remember the 70's? I do. The use of plastic in construction was still very rare and people were suspicious rather than excited about it. Still, SK Tuote was the first company to start the production of plastic insulation board fasteners in the Nordic countries. Some people called us crazy.

In 10 years we went from a family business with 10 employees to in-house production and exports. Today the VILPE® product family is widely known as Europe's most comprehensive selection of ventilation products and roofing supplies for all roof types. Our export has grown to include over 30 countries.

How did we get here? It's actually quite simple. There's one thing that has stayed with us from day one: **an innovative spirit**. We have constantly brought innovations to an industry that can be rather slow paced at times. Active product development has ensured that VILPE® always represents the very latest industry trends. Did you know that we introduced the first entirely plastic roof fan to the European market?

A big part of VILPE®'s good reputation is also based on supreme quality. Products that are suitable for every-day builders and remodelers alike, but absolute pioneers in terms of usability and durability – even in the most demanding environments.

When you operate at the mercy of the elements, you need to learn a thing or two from nature itself. We've acquired three survival strategies: **evolution**, **adaptation** and **camouflage**. That's what WEATHERED is all about.

I hope you enjoy reading it.



**Eero Saikkonen,**  
Managing Director, creator of VILPE®



# EVOLUTION





The evolution of construction has taught us one important thing: proper ventilation matters. When a building gets its fair share of air, factors causing risks to structures (condensation, construction humidity, microbial growth) can be eliminated.

But let's be honest: ventilation isn't top priority when you design a building. And why should it be? This is where we come in – our task is to breathe air into your creations.

We give buildings lungs so they can breathe.

**Töölön Oscar** (left) has 180 separate areas that require ventilation. Each apartment, stairway and basement storage area needs its own system for incoming and exhaust air exchange (heat recovery, cooling functions). Nearly 200 VILPE® units have been installed on a very steeply angled roof.

How did we do it? We became part of Evolution.

We created a system based on VILPE® S-series roof fans, because they combine excellent performance and low-maintenance. They also possess a unique ability to withstand high temperatures (condensate air can be +60°C). In order to fit all the ducts on the roof and ensure safe maintenance, we created custom platforms and mounted the roof fans in rows on top of the installation boxes.

**TÖÖLÖN OSCAR (2009)**  
8-storey apartment building  
Helsinki, Finland

ROOF COATING: standing seam sheet metal roofing (sloping parts), rubber bitumen membrane (flat parts)

VILPE® PRODUCTS: nearly 200 S-series roof fans (E190S, E250S) with installation sets. Drains ventilated with VILPE® sewer ventilation pipes

CUSTOM SOLUTIONS: 180 separate areas in the building require ventilation. Each apartment, stairway and basement storage area has its own system for incoming and exhaust air exchange. Due to a very steep roof angle, the installation boxes have custom maintenance platforms

Photo by: Mikko Lehtimäki



**KASTEKKI (2014)**

Modern multi-purpose centre  
Oulu, Finland

ROOF COATING: white high felt  
roofing

VILPE® PRODUCTS: 200 exhaust  
ventilation pipes ALIPAI-110,  
PIPE-160 UNINSULATED,  
COWL AP-160

CUSTOM SOLUTIONS: we created  
a custom product colour to match  
the white roof

# ADAPTATION

Our VILPE® products abide in places without shelter. Under the burning sun, whipped by wind and rain, covered in soft blankets of snow.

Over the years we have found ways to tame the elements. We have created materials that will maintain their colour even in strong UV-radiation or sun glare. Products that will not crack in freezing temperatures. Designs that will stay impervious, no matter how the wild wind blows.



# ADAPTATION

Survival isn't all about overcoming the elements. It's also a matter of respecting the environment and adapting to it. That's why we work according to ISO-certified processes.

We want to push the envelope – to introduce new concepts and ideas for healthier buildings that offer healthier living. Each customer comes with a unique roof, a different construction method, a particular set of materials. That's why we like to keep our customers at the heart of the VILPE® brand. With your help, we will never settle for the obvious – we will never stop adapting.



Photo by: Jussi Pernaa



**DOMUS BOTHNICA (2008)**

Office building by the sea  
Vaasa, Finland

ROOF COATING: high felt roofing  
VILPE® PRODUCTS: ALIPAI-110  
exhaust ventilation pipes



Photos by: Klmno Karinen

#### **HOUSING FAIR (2011)**

Apartment building  
Kokkola, Finland

ROOF COATING: 2-layer high felt roofing (375 x 375)

VILPE® PRODUCTS: Multifunction grilles (on wall),  
160/IS/700 exhaust ventilation pipes (on roof)

CUSTOM SOLUTIONS: high quality paired with  
inconspicuous design

# CAMOUFLAGE

Attention to detail, unique designs and superior raw materials make VILPE® products truly stand out – without catching the eye. You could say that they are like small wizards in disguise, cloaked by the building design.

VILPE®'s finest chameleon is doubtlessly the Multifunction Grille. Not only does it blend into the building wall – it also works as an intake or exhaust vent for mechanical ventilation. A unique airflow design creates a large cross-sectional area in both directions of flow. This way airflows never mix, i.e. the building is constantly filled with fresh air.

Think of VILPE® products as the buttons on a coat. They can either be modest details or eye-catching design statements, but without them the coat will not function. In architecture, VILPE® products usually become modest details, a seamless part of the design. But go on, go crazy – let a colourful vent brighten up dusky roof.

We will never compromise quality, but when it comes to appearance, we'd love to hear your ideas. Because small details do make a big difference – in coats and constructions alike.



**weathered** ('wɛðəd)

adj.

1. (Physical Geography) affected by exposure to the action of the weather
2. (Geological Science) altered by the action of water, wind, frost, heat, etc.
3. (Architecture) (of a sill, roof, etc) having a sloped surface so as to allow rainwater to run off
4. (Forestry) (of wood) artificially stained so as to appear weather-beaten: weathered garden furniture.

**Collins English Dictionary**

MANUFACTURED BY:



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