plaster base
fire protection
shaping-support

unmached
over 100 years!

stauss®
Brick Lath

the true plastercarrier
for
new construction- repair - reconstruction

far more than metal-lath:
brick (ceramic adhesion) + **lath** (grip-lock)

1. **noise**-protection
2. **fire**-protection
3. **forming**support

} = **1** **product** & **process**

modelling
constructing
connecting
covering
enclosing

cornices, profiles
slots
walls
facades
ceilings
arches, vaults
attics, lofts

optimised living conditions - summer & winter

brick-performance in *light/slim construction* !

europerl®
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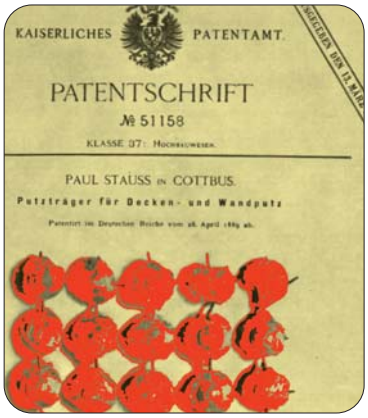
stauss® Brick Lath

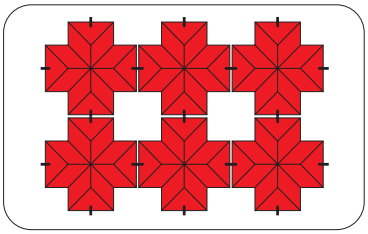
unmached over 100 years!

plaster base
fire protection
shaping-support

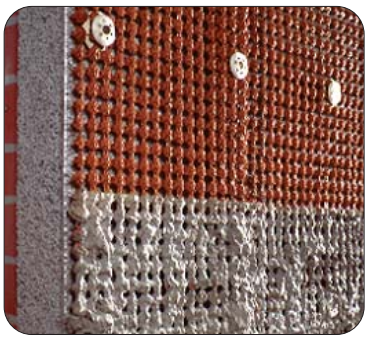
This is stauss® -Brick Lath



since 1890



classical stauss® -lozenge



the new application stauss® -
thermal-facade

More than 100 years ago, a "beastly" problem led to the development of the most successful plaster carrier of all times: **stauss®** -**brick lath**.

Falling lime cast parts were causing the loss of sight of valuable breeding stallions in royal Prussian stud farms. Plaster carriers of that time like reed, wooden laths or wire grating for plaster work did not withstand neither the ammonia vapors nor the humid walls of the stables. Around 1880, various researches took place in order to master those problems in the framework of a call for tenders.

The brothers Stauss experimented with thin wire lath (= reenforcement) and clay heads (plaster base) at their crossing points. In **1889**, this led to the first patent. Very quickly it became clear that the newly developed plaster base would be a revolution for many scopes of application. Difficult surfaces like wood, concrete and compound masonry could be durably plastered. Through fires in factories (warehouses) it was determined that wooden trams, even components sensitive to temperature like gray cast iron and stone ware columns survived the fire as long as they were covered and plastered with **stauss®**.

Fire protection even today is still an important use of **stauss®** -**brick lath** (e.g. DIN 4102-F90!). Equally responsible for this is the same coefficient of thermal expansion of **stauss®** and plaster - a decisive advantage versus wire mesh and boards which are working themselves loose with temperature changes. **stauss®** **brick lath** again has been improved through introduction of the classical **stauss®** square (lozenge).
It offers:
a) **biggest** possible **surface** for **adherence** of plaster
b) **mobility** within all three axes
c) **clawing connection** of the plaster through lath.

stauss® -**brick lath** is **easy** to form and **adjusts** to the desired conditions. As soon as the common, sharp cement facing/spray has been applied, the plaster base **hardens**.
The subsequent plasters are mostly mineral plasters which can be applied free of cracks - regardless of the basis. **stauss®**, plastered, needs supporting points only every 50 cm (20“) and is a very good, stable & strong "thin application". Especially with **wall**-constructions and of **attics/lofts**-interior finishings this load carrying ability is an advantage (e.g. sink, cabinet, etc). Good protection against **noise** and **fire** as well as the character of a **brick wall** (no barracks climate!), make **stauss®** a modern building material.

For the biologist: **stauss®** is no Faraday cage (no conductive interjunction points) but an excellent high- voltage protector (surface high-tension conductor).

Quality and requirements are determined in the Austrian Standard **ÖN B 3645**.
Due to safety and warranty reasons, the use of **stauss®** **-brick lath** conforming to this mandatory standards is stipulated.

Product Info

B 3645 APPROVED

according to Austrian standard B3645
mesh width: 20 x 20 mm (.78“)
special wire: approx. Ø 1 mm

non-combustible (A-1)
non-rotting
vermin resistant

* mats possible with special sizes
** insulation mats with various insulations and thicknesses

	stauss® -standard lath	**stauss® -facade lath**	**stauss® -mini roll**	**stauss® -standard mat***	**-insulation mat****
					
	the „**stauss®**-**armor**“according to Austrian standard B3645	especially for the „**stauss®**-**thermal-facade**“	for **repair** and **hobby**	**self supporting** respectively **insulating** plaster base	
type :	„NG“	„FG“	„MR“	„SM“*	„DM“**
length =	5 m (200.0“)	6 m (240.0“)	1 m (40.0“)	2.5 m (100.0“)	2 (80.0“)
width =	1 m (40.0“)	1/0.9 m (40.0“)/(36.0“)	1 m (40.0“)	1 m (40.0“)	1 m (40.0“)
weight =	5 kg/m² (32.5oz/ft²)	5 kg/m² (32.5oz/ft²)	3.5 kg/m² (22.75oz/ft²)	6 kg/m² (38.0oz/ft²)	6 kg/m² (38.0oz/ft²)

plaster base

fire protection

shaping-support

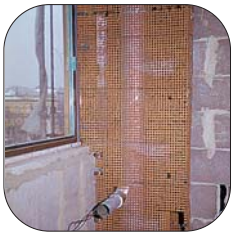
unmached over 100 years!

stauss®
Brick Lath

restoring - bridging - covering

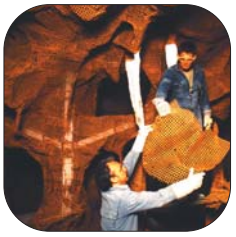
Solution for tricky building problems
Preservation and protection for historical buildings
Repair and rebuilding

stauss®-brick lath became indispensable



free design for fire-proof architecture

For architectural realization, a good malleable and solid product is needed: **stauss®-brick lath** complies durably with these requirements. The scope of use ranges from monumental buildings to the design of model railway grounds.



ceiling, vault

Every form of ceiling and vault can be durably and easily resolved with **stauss®-brick lath**

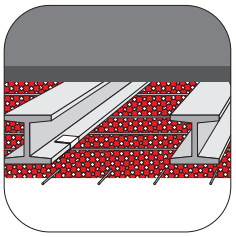
roof, attics, lofts

Cosy living combined with fire and sound protection
stauss®-brick lath offers an optimum in living conditions, winter and summer (no barracks climate!) for the price of a dry construction.
Brick-performances & -strengh with „slim construction“.

fire protection

for wood
steel
earthenware

e.g. F-90 (German Industrial Standard 4102)
durable fire protection without tile that neither comes off nor contains chemistry - completely **without fibers** and **without asbestos** !



Wall

fire protection **n**oise protection
amenities of a brick wall!
quick, safe and economical

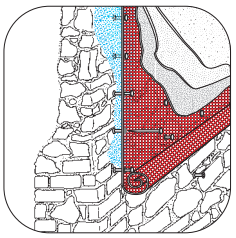
timber pile walls
plank walls
wooden house (outer and inner walls)

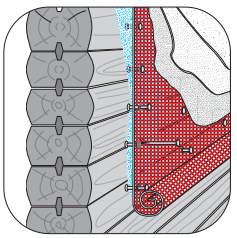
appreciated for many years as being **earthquake-safe**

stauss®- thermal-facade

The new application -
based on 100 years of success
dry, breathing complete wall-insulation
non-combustible (A-1), sturdy
for all walls: bricks, wood
even mixed masonry!

anchor fixed: preparation of surface can be omitted





stauss®
Brick Lath

unmached
over 100 years!

plaster base
fire protection
shaping-support

brick & lath - the perfect plasterground & -carrier

far **more** than **wire-**mash:

1. flat, sturdy **base -** in **all directions**
2. no holes **- little** drop through**“**
3. **heat** expansion **equal plaster** - **no loosening**
4. **grip**-lock & **ceramic** adhesion

i.g.:

✓ for perfect thermal **facade**:

supports the **windows** within the **insulation**
fire-**proof**
vapour-**non-restricting**
impact-**resistant**

✓ optimised **loft** conversions:

optimised **living conditions**
strong **fire-protection**
high **soundproofing**
supporting **heavy loads**

For *you* to be *No. 1* is our *pleasure* !

B 3645
GEPRÜFT

our production:
the **first** **ISO-14001** and **EMAS**
of our branch **worldwide** !

safe & innovative products with tradition