

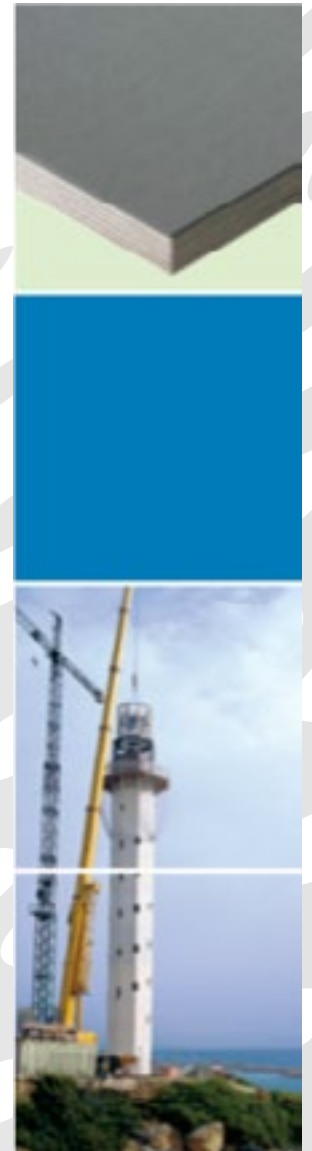


POLYMER COATING for Construction industry

Member of *Constantia* Industries AG

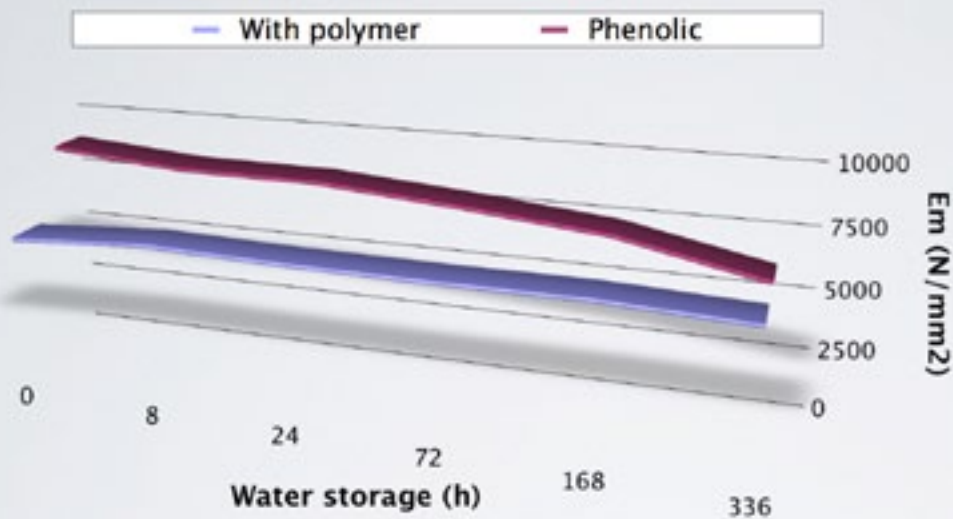
isoform lip coating properties

Price/quality ratio	appropriate
Surface hardness	Shore D 75-80
Nail-holding property	good
Resistance to damage	high
Notch effect on crack propagation	negligible
Resistance to ultraviolet rays	average-good
Application temperature range	-40 to 80°C
Bend E-module	2500-3000 Mpa
Removability from concrete	good
Ageing susceptibility	low
Moisture absorption	< 1,8 %
Linear thermal expansion coefficient	approx. $0,5 \times 10^{-4}$
Surface	glossy or mat

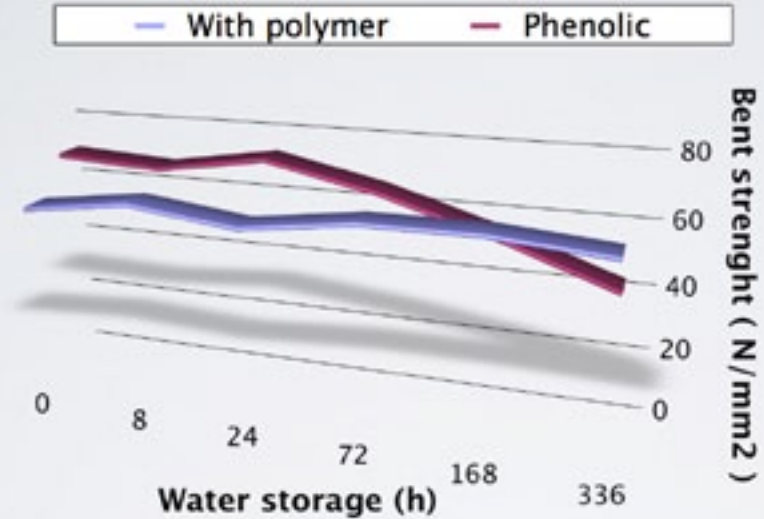


Comparison of mechanical properties after water storage

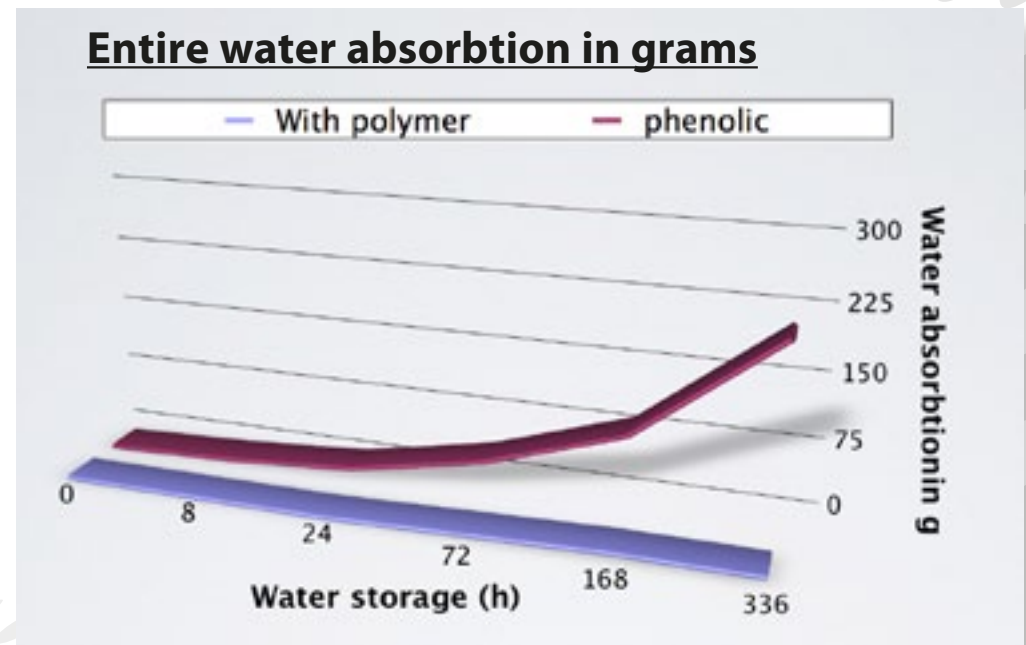
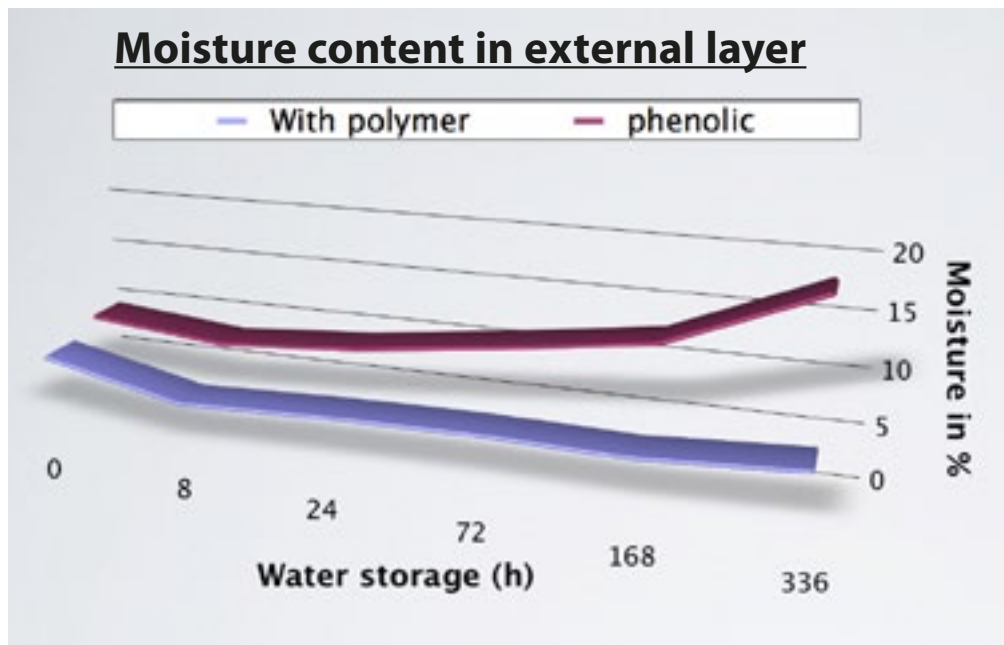
Bent E Modulus (Em) after water storage



Bent strenght after water storage



Comparison of mechanical properties after water storage



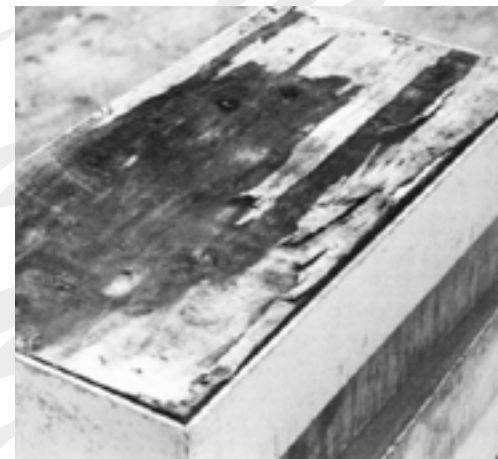
DURABILITY:

Damaged standard sheet

Using Isoform LIP as a surface you can protect the sheet from delaminating of plywood due to moisture, temperature differences and mechanical loads

LONGER LIFETIME OF THE PANNEL!

CONSTANT APERANCE OF CONCRETE!



DURABILITY: Abrasion

Sandjet test at 200 bar / 30 sek and 100 bar / 30 sek



200 bar



100 bar



200 bar



100 bar

DURABILITY: Cleaning

By using the high pressure water jet cleaning equipment is the durability of Isoform compared with standard higher by 4 x

EASY AND FAST MAINTENANCE !



Repairing with welding rod:

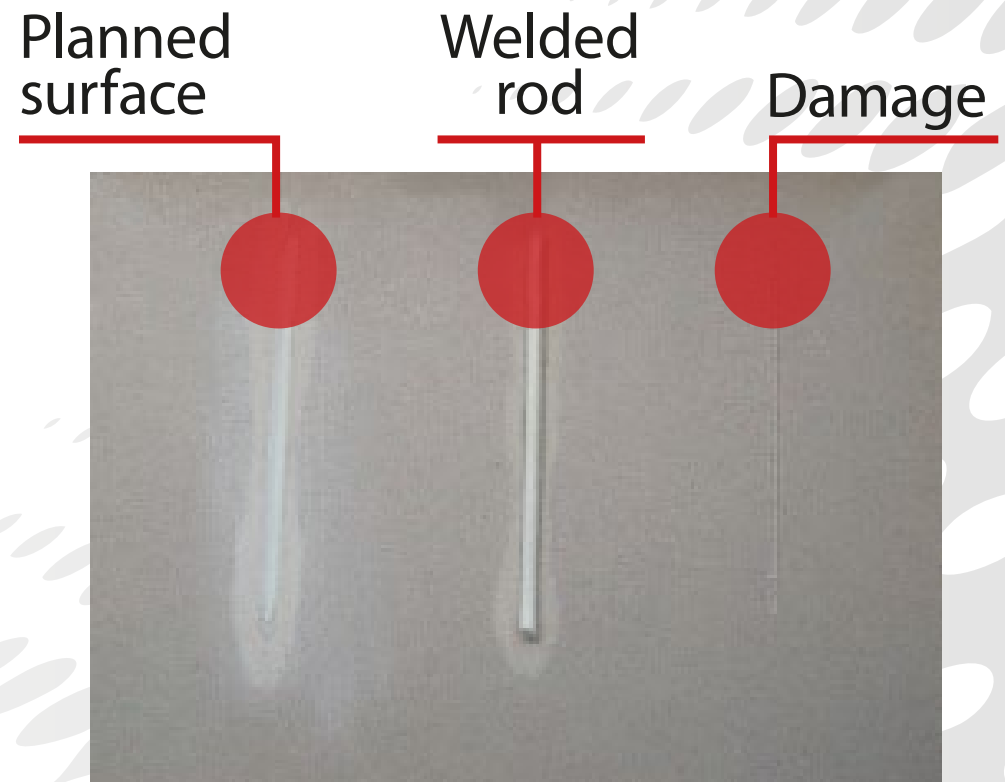
Plastics welding is the permanent joining of thermoplastics by applying heat and pressure, with or without using a filler. All welding processes are performed when the boundary areas of the surfaces to be joined are in a ductile state. At the boundaries the filamentary molecules of the parts being pressed together link up and interlace to create a homogeneous material joint

There are round and triangular welding rods on the market !

Repairing with welding rod: Advantages:

Easy to repair long scratches
The same colour and material
Less visible in concrete

EASY TO REPAIR !



REPAIRMENT KIT

Possibility to offer repairment case including:
Welding rod, welding machine, 0 milling machine,
driling machine and roud patches



Repairing with patches:

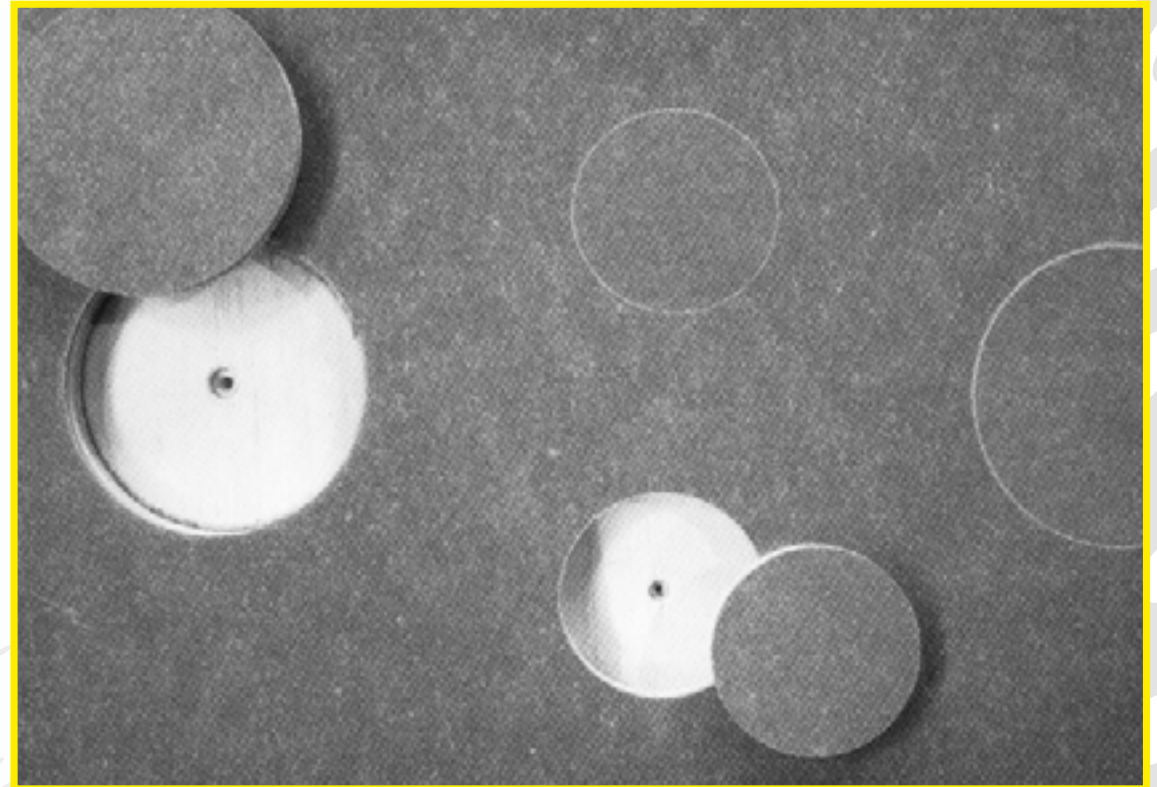
Larger damage can be repaired
with round plates d 60 mm

EASY TO REPAIR !

Repairing with patches:

Larger damage can be repaired with round plates d 60 mm

EASY TO REPAIR !



Repairing with putty:

2K polyurethane :

a sandable patch that can be treated much like the wood.
It can be nailed, screwed, painted, finished

2K Epoxy :

repair that bonds tenaciously to the plywood in large voids.
Once cured, the epoxy can be treated just like wood: sawed,
nailed, screwed, sanded, painted or stained.

THANK YOU !

