

Anti graffiti coating from potato starch



Crop

Potato

Solanum tuberosum

Croppart

Roots / Tubers

Application area

Materials

Status

Commercial stage

Public availability

Public

Relevant plant compounds

Starch

Description

A known product that can be obtained from potatoes is potato starch. This fine, dried white powder is useful in cooking as a flavor enhancer and thickener.

It is virtually unknown that the group to which potato starch belongs (namely the polysaccharides) in certain combinations forms a synergism so that a clear, virtually insoluble dry coating can be made. This is the basis of the PSS-20 anti vandal coating: Made of water and starch and marketed by Gevelmeesters.

Used conversion methods

Mechanical-Physical processes

Extraction

Chemical processes

Pulping

Thermochemical processes

Hydrothermal upgrading

Hydrogenation

Resources

<https://www.gevelmeesters.nl> Initiative website