Conditions of Exploitation and Maintenance of PaNELTECH Sandwich Panels Surface

Surfaces of sandwichpanels, with theircoremade of thermalinsulation materials and two-sidedsheet metal cladding, changetheirappearance in the course of exploitation, becausetheyareexposed to atmospheric conditions. The scope of changesdepends on the exposure rating of rural, urbanorindustrial environment.
Thisiswhy, to ensure the durability of the product, rustproofsteelsheet metal platesareused in the productionprocess. The duplex protection system is applied, whichconsists of zinclayer and – usuallypolyester – paintcoating.

The durability of the protection system isdetermined by the expectedlifetime of the protectivepaintcoating, until the firstlarge-scalesurfacerenovation.
The manufacturerguaranteesthat the durability of the protection system will be maintained on conditionthat the layer of the organicpaintcoatingiscorrectlymaintained and exploited.
Surfaces of roof and wallsandwichpanelshave to be reviewedperiodically in order to revealpotential surface defects and to clean and remove the accumulatedsnoworcontaminations, whichcoulddamage the protectivecoating. Continuousload and snowshould be removed from the surfaceusingtoolswhichwill not damageit.

It isrecommended to review and wash the panelsdepending on the surfacestructure, but atleastonce a year. Panel surfacehas to be washed with the technique applied in module touchless car wash with washingpressure of approx. 30 bars. Stainscan be removed from panel surfaceusingdedicatedpreparationscontainingsurfactants with pH from 4 to 9.
Minor damages of the organiccoatingsurfacehave to be protected by means of standard painting techniques, dependant on the kind of the artificialmaterial and recommended by the manufacturer of sandwichpanels.
It isalsorecommended to checkduring the periodicalreviews, whether the panelsareappropriatelyassembled with the mechanicalconnectors and flashing. Faults and defects in thisareacanlead to risingdampinside the panels, damages and corrosion, and in turnshorten the period of failure-freeexploitation of the constructionworks.

Failure to comply with the aboveruleswillresult in the loss of warranty.