



nedcam

and hot spray

Your link
between design
and reality

Nedcam uses hot spray as part of final products or in direct moulds. A lot of R&D is done to create the best recipes in raw materials to meet the required specifications. Especially in the concrete industry this led to a revolutionary breakthrough!

In many projects just a certain shape is needed with a relatively hard surface. High gloss finish is not expected and some irregularities may remain visible. Here hot spray is the solution! On suitable carrier materials adhesive strength is guaranteed. This top layer is seamless, strong with high tensile strength, durable (wear) and resistant to weather influences as well as chemicals.

The most well-known hot spray systems are polyurea, polyurethane and many hybrid combinations of both.

Nedcam produces models, prototypes and complete products originating from digital 2D and 3D designs, using highly sophisticated 5-axis CNC-machines. Providing a total concept consisting of advice, management, realization and innovation: Nedcam offers the right solutions for every project.



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SPENCER DOCK BRIDGE (DUBLIN)

Architect: Future Systems - London

Nedcam engineered and delivered the complete double-curved mould for this project in Dublin (Ireland). This mould was simply placed on-site on a flat multi-level substructure.

The EPS-polyurea system developed by Nedcam is very well suitable for free-form concrete constructions. It consist of machined EPS-blocks covered with a number of hot spray layers sometimes even of different recipes.



TEXACO TANKSTATIONS

Architect: Bontinck Architecture and Engineering

Trending topic in the building industry is BLOB architecture (Binary Large Objects). Organic shapes are playfully used in environmental and futuristic settings. Mostly used material here is EPS, which is light in weight and easy to shape. Using hot spray technology the coating can seamlessly follow every shape with excellent properties.



CHARACTERS "BOVENDEERT"

Architect: SKIN-Architects - Boxtel

The characters were shaped in EPS around a rigid steel framework. The shaped EPS core was covered in polyurea hot spray as successfully used in several other free-form building constructions. The name "Bovendeert" covers the complete front of the 40 meters width building. The maximum height is 11 meters. Some of the characters have a width close to 6 meters. The production and mounting has been a very complex job.



CHARACTERS "PIET BOON"

Architect: Piet Boon - Zaandam

For the client Smit Kunststoffen, Nedcam produced in conjunction with PU Nederland the characters of the well-known architect Piet Boon for his own new premises. The usage of this technology creates many possibilities for an affordable price.

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