



A SECURE ENVIRONMENT FOR THE PRETERM BABY

BABY WATERNEST®
IN FLEXIBLE INTEGRAL FOAM
MANUFACTURED BY TINBY A/S
FOR NMD CARE APS

CLIENT CASE STUDY

TINBY



SECURITY FOR THE PRETERM BABY

BABY WATERNEST® PRODUCED FOR NMD CARE APS

THE NMD CARE CONCEPT BABY WATERNEST® SWADDLE

NMD Care is a company that identifies and develops hospital equipment, which supports the healthy and natural psychomotor development of preterm babies. Their products are based on professional expertise and many years of acquired knowledge and practical experience working with children – both for children who are born too early and for those who are born full term. The concept is built around the child's delicate condition and need for care, while taking into account the need for intensive monitoring and nursing care, which should be as effortless as possible.

HOW DOES THE BABY WATERNEST® WORK?

The Baby WaterNest® has been designed to simulate the womb's own environment and stimulate the preterm baby's development better than the current solutions that are used on the neonatal wards. The Baby WaterNest® consists of several elements. The PUR items, which Tinby produces, make up the actual frame which holds the "water items", which are respectively a 'mattress' in the bottom and a 'backrest' in the side piece (which is shaped like a horseshoe). Baby WaterNest® is always used in conjunction with NMD's Care's Swaddle. The water responds to the child's movements and strengthens the child, both physically and neurologically, by stimulating different senses. The water adjusts itself to the shape of the child, eliminating any discomfort caused by pressure – in other words, protecting the baby's skeleton, major joints and the shape of its head.

COLLABORATION ON BABY WATERNEST®

When Tinby was asked to become involved in NMD's production of the Baby WaterNest®, it was the start of an exciting developmental process in which a great deal of thought had to be given as to how the need for quality and functionality could be met by the options available with polyurethane, and where the limitations lay. The PUR items in the Baby WaterNest® fit together like Duplo bricks that can be moved around, removed or added.

It is these practical variable items that simplify the work processes for the medical staff and the parents. The design options in flexible PUR are endless, and the material can also be dyed in a wide range of colours, so the Baby WaterNest® can be supplied in fruity orange, banana yellow, lavender blue and mint green; a sweet little detail that is much appreciated.

WHAT OUR CLIENTS ARE SAYING

"When parents see and feel the Baby WaterNest® at the hospital, where all the attention is focussed on their child, the Baby WaterNest® should be the framework that gives the parents a sense of security, happiness and comfort – through the feel of it, and its colour and shape. Product development is a lengthy process, and, in this particular instance, we were referred from one plastic manufacturer to another – until we ended up at Tinby. PUR, as a material, has the properties that provides the aesthetic look we were looking for, while promoting the functional qualities the design is created for. That is why we chose Tinby. Our collaboration has since developed, so that Tinby, with its knowledge of PUR and manufacturing, have helped NMD Care reach its goal with this product."

Carinn Alluna, Managing Director
NMD Care ApS, www.nmdcare.com

FACTS ABOUT POLYURETHANE USED IN WATERNEST®:

- 350 g/l flexible integral foam
- Consists of four separate parts
- Soft, comfortable material - easy to clean using soapy water
- Has a water-repellent surface and is UV-resistant
- Complies with REACH and RoHS regulations respectively 2002/95/EC and 2011/65/EU and does not release phthalates

