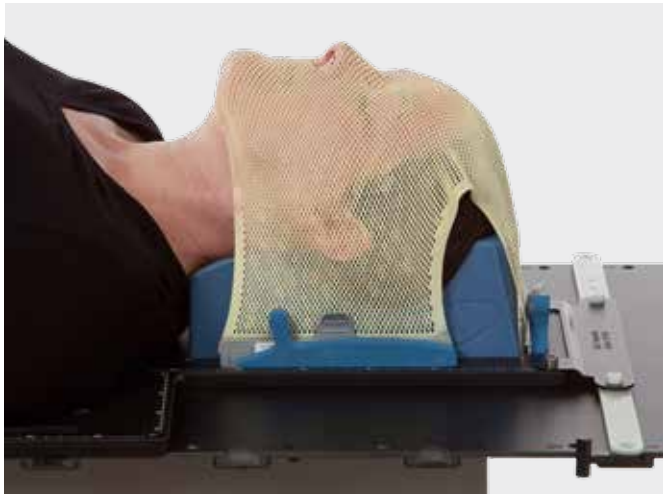
The precision expert

NANOR® MASKS

Nanor is an entirely new thermoplastic material based on Nano-technology. After many years of research, our R&D Team succeeded in making a composite material that dramatically increases the mechanical properties of Efficast and that makes the material more performing in terms of bending stiffness. This patented technology allows creating a very thin mask that is at the same time stable and extremely comfortable for the patient thanks to its very low shrinkage. As such, it fulfils the two most important criteria for an effective immobilization mask in radiation therapy.



Because the mask is thinner it falls in place over the patient on its own without having to do a lot of moulding.
It takes exactly the shape of the head, neck and shoulders. This composite mask fits like a fine glove.

Low shrinkage, resulting in a lower, but sufficient fixation force and less pressure on the face, which considerably increases patient comfort.

Thanks to the high bending stiffness, the stability of the Nanor masks is similar to that of standard Efficast masks.

Nanor masks have a very soft surface and feel smoother on the skin than other materials, which again increases the comfort for the patient.

A non-stick antibacterial coating prevents the growth of Methicillin-resistant Staphylococcus aureus (MRSA), Staphylococcus aureus, Vancomycin-resistant enterococci (VRE) and Escherichia colli bacteria on the mask surface.

Patent no. WO2011113473 A1

Attenuation (at 6 and 15 MV) and skin build up (SBU) values are:

Type	Attenuation (±0.15 %) 6 MV	15 MV	mm H20 equiv. (± 0.1 mm)
Nanor 1.2 mm microplus	0.32 %	0.25 %	1.24
Nanor 1.6 mm microplus	0.46 %	0.32 %	1.56
Hybrid (Efficast 16MI+, Nanor 12MI+)	0.68 %	0.34 %	2.1

www.orfit.com

ORFIT INDUSTRIES
Vosveld 9A | B-2110 Wijnegem | Belgium
T (+32) (0)3 326 20 26
welcome@orfit.com

06-12-2016
Art. N° 51011