MOLENAAR betonindustrie
Cover spacers • Formwork spacers • Tie rod systems • Rebar connections

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Product sheet “MoClip 16+ Trio (SF)”

General information

The Trio is a stable spacer that is nearly invisible after casting. The three small feet make the spacer extremely stable on all surfaces, they also ensure that they are nearly invisible. The precision-engineered curves ensure that concrete can flow under the Trio spacer to produce a smooth result. The Trio spacer is often used in the production of lining elements and other round forms.

Sizes

Bags

Art. nr.	Type	Cover	Bottom size	Top size	Pc./pack	Kg/pack
113.020	MoClip 16+ Trio	20	35	44	468	20,00 Kg
113.025	MoClip 16+ Trio	25	35	44	360	22,00 Kg
113.030	MoClip 16+ Trio	30	35	45	288	22,00 Kg
113.035	MoClip 16+ Trio	35	35	47	216	21,00 Kg
113.040	MoClip 16+ Trio	40	35	48	180	20,00 Kg
113.045	MoClip 16+ Trio	45	35	48	114	20,00 Kg
113.050	MoClip 16+ Trio	50	35	51	114	23,00 Kg
113.055	MoClip 16+ Trio	55	35	52	108	19,00 Kg
113.060	MoClip 16+ Trio	60	35	54	108	22,00 Kg
113.065	MoClip 16+ Trio	65	35	54	108	22,00 Kg
113.070	MoClip 16+ Trio	70	35	59	96	22,00 Kg
113.075	MoClip 16+ Trio	75	35	59	72	19,00 Kg

Sizes in millimetres

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Composition

The Concrete is poured into a mold and is compacted trough high frequency vibrations. The concrete is composed of:

- Sand: 0/2mm
- Cement: CEM I 52,5 R SR3 LA
- Silica fume: ELKEM 920E
- Admixture: Cugla HR-48
- Water

The concrete is cures while stored in a temperature regulated room for 24 hours.

Design water-cement ratio.	=	0,37
Strength class	=	C60/75
Environmental class	=	XC4(NL), XD3(NL), XS3(NL), XF4(NL), XA3(NL)

Considerations

The MoClip 16+ Trio is made of construction concrete which makes the MoClip 16+ Trio suitable for use in waterproof construction. The MoClip 16+ Trio is also suitable for exposed constructions. The MoClip 16+ Trio is through its egg shape bottom nearly invisible after dismantling of the formwork.

Applications

The MoClip 16+ Trio can be used in different kinds of construction, such as: bridge and tunnel
entry’s and exits, Bridges, roadways, land tunnels, etc.

Maintaining material integrity

Concrete spacers and bar supports are made of the same material as the poured concrete, so thermal expansion and contraction are equal. And because they are the same material, the concrete and spacers will bond. No gaps!
Concrete spacers and bar supports help maintain material integrity and uniformity of the concrete, and provide a cover over the reinforcement that protects against corrosion.

What about Molenaar’s concrete spacers with a plastic MoClip 16+? Does the plastic MoClip 16+ in the concrete spacer have a negative effect on material integrity? Does it weaken the corrosion protective cover over the reinforcement? The answer is no!
The plastic MoClip 16+ is placed on the top of the spacer and does not come into contact with the surface of the concrete product. The plastic MoClip 16+ is embedded only 5 mm into the spacer, which maintains the material integrity at the product’s surface. The plastic in the MoClip 16+ is used only for easily attaching to and holding the reinforcement, leaving the concrete part to do the work of the spacer.