

Our Vision

Delivering Excellence through the Passion of Our People



Working Together

Working closely with our customers and being flexible to their needs means that as well as developing new products, we are able to provide solutions that allow our customers to achieve better results faster, for less cost.

Northstone actively coach and develop staff and are committed to investing in improving our people. A 'can do' attitude is evident throughout the team ensuring consistent levels of customer service, with a fast and flexible response to customer enquiries. Building customer relationships at all levels through effective communication is at the heart of what we do.

Innovation

We are constantly striving to develop new innovative products and solutions that offer very real benefits to our customers. From housing to commercial projects or refurbishment to new developments, we have a screed to suit any project. Our innovation strategy focusses on enhancing quality, improving site productivity and reducing waste.





BONDED SCREED

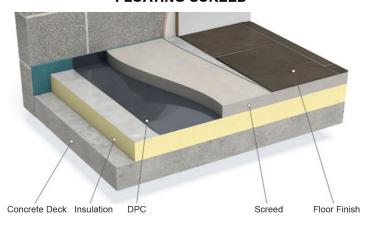


UN-BONDED SCREED



NORTHSTONE: A CRH COMPANY
Croaghan Quarry, Shinny Road, Coleraine, BT51 4PS
Tel: +44 (0) 28 7032 1100 Email: sales@northstone-ni.com

FLOATING SCREED



FLOATING SCREED WITH UNDERFLOOR HEATING



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Preparation

- Ensure building is weather tight
- Ensure insulation or substrate is properly prepared in accordance with BS 8000 or manufacturer's guidelines

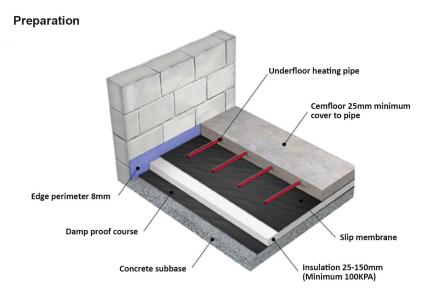


Aftercare

- Minimise site traffic for first 48hrs
- · Keep all windows and doors closed for the first 48hrs
- Ensure floor is protected from damage
- Ensure floor is tested for moisture prior to applying floor coverings

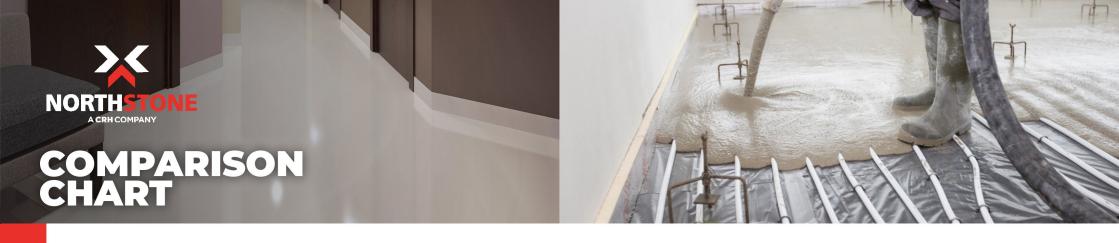






Aftercare

- Minimise site traffic for first 48hrs
- Keep all windows and doors closed for the first 48hrs
- Ensure floor is protected from damage
- Protect floor from contaminants that may impede the drying process; i.e paint, plaster etc
- Follow guidelines for commissioning underfloor heating where relevant
- Ensure floor is tested for moisture prior to installing floor coverings
- Ensure floor is suitably prepared
- Refer to technical datasheet or your Northstone representative for further information



Floor screeds are in essence there to provide a level surface to receive the final floor finish. The type of finish, level of traffic and timeframe for installation are the key considerations when deciding on a screed for your project.

				Approx. Strength**		N	/linimum Depth	าร	Non Heated*		Heated*		
		UFH	BRE Cat	Compressive	Flexural	Bonded	Unbonded	Floating	Tiles	Vinyl	Tiles	Vinyl	Traceable
- 1	Cemfloor C20		Α	20	4	20	30	50	21	50	21	35	
Flowing	Cemfloor C25	✓	Α	25	5	20	30	50	21	50	21	35	
NO.	Cemfloor C30	✓	Α	30	6	20	30	50	21	50	21	35	
Ĕ	Cemfloor HCP NH	✓	Α	30			65	70	21	80	N/A	N/A	
- 1	Cemfloor HPC.Therm	✓	Α	30			65	70	21	80	28	42	
- 1	Domestic Tipper Screed		С	16	1	25/40	60	65	28	112	42	56	
- 1	5:1 Tipper Screed		В	20	2	25/40	60	65/75	28	112	42	-	
ē	4:1 Tipper Screed		Α	25	3	25/40	60	65/75	28	112	-	-	
Tipper	Contopp 10 Tipper Screed	✓	Α	25	5	25/40	50	65/75	8	21	16	17	✓
	Contopp 15 Tipper Screed	✓	Α	25	5	25/40	50	65/75	5	14	14	14	✓
- 1	Contopp 15HD RS Tipper Screed	✓	Α	35	7	25/40	50	65/75	5	14	14	14	\checkmark
	Duremitt 50 Tipper Screed	✓	А	35	7	25/40	50	65/75	10	35	30	30	✓

^{**} These results are indicative and may be subject to change * Dependent on ambient temp and humidity



"Northflo cemfloor is a BBA Approved, high-performance cement based, self compacting liquid screed and is suitable for a variety of applications."

Due to the efficiency of Northflo Cemfloor, it is specifically designed for use with underfloor heating systems. Northflo Cemfloor Screed totally encapsulates the underfloor heating pipework and eliminates air voids which ensures optimal heat transfer from the heating pipework to the screed surface. It can also be installed at much thinner depths compared to traditional sand and cement which ensures ultimate controllability of the underfloor heating system.

When using underfloor heating with Northflow Cemfloor, the energy usage and cost are greatly decreased due to the efficiency of the system. High thermal conductivity of the screed and the lower thickness combines to achieve this improved performance but also means that the response time is substantially reduced so that the whole system will heat up much quicker.

- Exceptional thermal conductivity
- Can be used in wet areas
- Can be force dried after 7 days
- · Compatible with all cement based adhesives; including fast track systems
- Self-compacting no voids around underfloor heating pipes
- Can be tiled as soon as 5 days after installation*
- Can receive DPM's at or below 97% RH

*Non heated using green screed adhesive systems

	C20	C25	C30
Flexural Strength	F4	F5	F6
Compressive Strength	C20	C25	C30
BRE Test	Α	А	Α
Drying times			
Tiles (Non Heated)	5/21 days**	5/21 days**	5/21 days**
Vinyl (Non Heated)	56 days*	56 days*	56 days*
Complete Heating Cycle	21 days	21 days	21 days

Heating cycle

	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20
Northflo Cemfloor	25°C	25°C	25°C	30°C	35°C	40°C	40°C	40°C	40°C	40°C	30°C	20°C	OFF

Cemfloor products can only be installed by authorised and approved layers.



Cemfloor High Performance Concrete (HPC) is a specially formulated self-compacting concrete containing a 10mm aggregate that can be used to create stronger and more durable floor slabs with less shrinkage and increased bay sizes to minimise joints than those constructed with conventional concrete. Higher compressive and flexural strengths are achieved enabling a reduction in slab thickness providing an improved environmental profile. High quality finishes can be achieved without power floating. This product is highly suitable for all commercial and light industrial projects.

- · Enable the rapid and effortless fabrication of slabs and floors
- Flexural strength at 28 Days Min 6N/mm2
- Eliminates the need for power floating
- Maximise thermal mass potential in conjunction with underfloor heating (HPC Therm)
- Can be combined with structural steel fibres

Uses

- Domestic Floors
- Heated Floors (HPC Therm)
- Commercial slabs such as composite deck construction
- Structural toppings
- · Residential dwelling oversite/slabs

	Cemfloor HPC / Therm
Flexural Strength	F6
Compressive Strength	C35
BRE Test	A
Drying times	
Tiles (Non Heated)	7/28 days
Vinyl (Non Heated)	56 days*
Complete Heating Cycle	21 days

Heating cycle

	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20
Cemfloor HPC	25°C	25°C	25°C	30°C	35°C	40°C	40°C	40°C	40°C	40°C	30°C	20°C	OFF

Cemfloor products can only be installed by authorised and approved layers.



We do a range of sand cement screeds, Domestic, 5:1 and 4:1 screed which use a special blend of sands for ease of use for the layers. Traditional sand cement screeds have been used for hundreds of years and perform the basic task of levelling the floor in preparation for the final floor finish. For many years there was not the same urgency to get floor coverings down and these screeds have performed well for lower cost. However when time is important often cost can increase dramatically when using ancillary products on top to reduce programme times compared to using quick drying screeds.

- Cost effective
- Compatible with most adhesives
- · Can be laid to falls
- Factory produced

	Domestic	5:1	4:1
Flexural Strength	F1	F2	F2
Compressive Strength	C16	C20	C25
BRE Test	С	В	Α
Drying times			
Tiles (Non Heated)	28 days	28 days	28 days
Vinyl (Non Heated)	112 days	112 days	112 days
Complete Heating Cycle	42 days	42 days	42 days

Contopp Screeds are a specially German engineered screed admixture that not only reduce the water demand of the mix but also prevent the reabsorption of moisture due the high humidity, meaning unlike traditional quick drying screeds, Contopp screeds continue along a downward trajectory when drying out. This ensures consistent drying performance regardless of the time of year!

- Improved compaction for use with heated screeds
- Luminescent tracers to ensure correct product used
- Increased flexural and compressive strength
- Reduced risk of shrinkage and curling
- Can be factory produced for optimal control
- Can be combined with Ardex products for system guarantees

	Contopp 10RS	Contopp 15RS
Flexural Strength	F5	F5
Compressive Strength	C25	C25
BRE Test	Α	Α
Drying times		
Tiles (Non Heated)	8 days	5 days
Vinyl (Non Heated)	28 days*	21 days*
Complete Heating Cycle	14 days	11 days

^{*}Dependent on residual humidity and temperature

	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14
Contopp 10RS		25°C	35°C	45°C	55°C	55°C	55°C	45°C	35°C	25°C	OFF
Contopp 15RS	25°C	35°C	45°C	55°C	55°C	45°C	35°C	25°C	OFF		

Full system guarantees available with Contopp and Duremitt screeds. Contact sales@northstone-ni.com for more information.



Duremitt 50 Screed, like our Contopp products, is a heavy-duty German engineered screed with high strength performance designed for highly trafficked areas. It utilises chemical compaction aids for ease of placement and chemical hardening for improved performance with underfloor heating.

- · Reduced risk of shrinkage and cracking
- · High early strength
- · Reduced cycle time for underfloor heating
- · Can be factory produced for optimal control
- · Can be combined with Ardex products for system guarantees
- Heating Cycle can be reduced over traditional screeds

	Duremitt 50
Flexural Strength	F7
Compressive Strength	C40
BRE Test	Α
Drying times	
Tiles (Non Heated)	14 days
Vinyl (Non Heated)	56 days*
Complete Heating Cycle	30 days

Heating cycle

	Day 18	Day 19	Day 20	Day 21	Day 22	Day 23	Day 24	Day 25	Day 26	Day 27	Day 28	Day 29
Duremitt 50		25°C	35°C	45°C	55°C	55°C	55°C	55°C	45°C	35°C	25°C	OFF

Full system guarantees available with Contopp and Duremitt screeds. Contact sales@northstone-ni.com for more information.

With locations all across the region, we will get you the materials you need when you need them.



Call 028 7032 1100 or email sales@northstone-ni.com for further information about our products and services. Visit our website at www.northstonematerials.com.



We have been supplying the construction industry in Northern Ireland for more than 60 Years. Our combined product portfolio and associated services consistently achieve a reputation for quality and value unrivalled in the materials supply sector in Northern Ireland.

We build on our core values of a well established professional company taking service level, value and customer choice to new levels of excellence. We offer our customers, existing and new, a wide range of products and services from one source. This results in simplified purchasing, invoicing and payments as part of our enhanced customer package. Customers are assured of responsiveness to their needs and superior service levels. Establishing effective, long lasting relationships with our customers is of primary importance to everyone in our team.



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