



Con-Spec Industries Ltd.

CON-SPEC COUNTER-CRETE

DESCRIPTION:

Con-Spec Counter-Crete is a unique preblended cementitious material for casting concrete countertops. It is a non-shrinking concrete that requires only potable water for mixing. Counter-Crete is versatile and allows for creative blends. It can be used neat or with plain/coloured stones or objects. It is compatible with all concrete colours and staining methods. Curing time is much faster than standard concrete. This allows the countertop to be removed from its mold 8-10 hours after casting and it's surface to be coated or polished within 24 hours. (If the surface is to have a sealer/coating, it is recommended that a light cleaning be performed to remove any surface laitance of cement dust.)

USES:

Con-Spec Counter-Crete is a countertop mix that is user friendly for the novice but also meets the demands of the professional installer. Counter-Crete can also be used as a general purpose concrete patching material, for interior applications, where an extended working time is desired.

CHARACTERISTICS:

Con-Spec Counter-Crete is a versatile concrete material that can be modified with various ingredients to alter its characteristics. Addition of fibres will improve the flexural strength, and early curing performance. The addition of latex modifications will increase bond strength, flexibility and reduce permeability.

LIMITATIONS:

Applications over 7 cm (3") in thickness require the addition of 1 cm (3/8") stone to a maximum of 22.7 Kg (50 lbs) by weight per 25 Kg (55 lbs) bag. Temperatures below 0°C (32°F) will require the use of accelerator and/or the use of heated water.

COMPOSITION:

Con-Spec Counter-Crete contains a proprietary cement and specially selected aggregates and admixtures.

COVERAGE:

Con-Spec Counter-Crete is packaged in 25 kg bags and will yield approximately 0.5 cubic feet or 0.014 cubic meters per bag at 4.0L of water per bag. A 25 kg bag of Con-Spec Counter-Crete at 1.5" deep will provide roughly 4 square feet of concrete countertop area.

PROPERTIES: (@23°C)

(@3.75L/25Kg Bag)

Compressive Strength (ASTM C39 / C109)

24 hours Mpa (psi)	62.8	(9,100)
7 Days Mpa (psi)	75.0	(10,800)
28 Days Mpa (psi)	90.5	(13,100)

Bond Strength (ASTM C882)

24 hours Mpa (psi)	20.0	(2,900)
28 days Mpa (psi)	24.2	(3,500)

Flexural Strength (A23.2-8C)

(@4L/25Kg Bag)

7 Days Mpa (psi) Neat	7	(1015)
7 Days Mpa (psi) with 1/2" glass fibre	10	(1450)

USE AS PATCH MATERIAL:

For patching concrete surfaces: Surface must be structurally sound, free of loose or deteriorated concrete, dust, dirt, and other contaminants. Clean and prime exposed steel and reinforcing. When substrate is not absorptive, abrade as necessary to ensure proper bonding. Prewet the prepared area with potable water to achieve a saturated surface dry condition before application. To ensure complete bond with the entire surface, a prime coat of Counter-Crete mixed with water or our Latex Bonding Admixture as a slurry coat may be scrubbed into the concrete surface. After mixing firmly place into the prepared area with sufficient force to fill all holes and voids, and then trowel to a smooth finish. On large areas, use a screed to obtain a uniform level surface before trowelling.

FORMING:

Cabinet Preparation for Cast-in-Place: •Use concrete backer board for cabinet sub-top or plywood with a moisture barrier. (The application of 2 coats of Con-Spec Latex Bonding Admixture then allowing to dry between coats will protect the plywood). Protect the cabinet facing and floor from concrete spills with a drop cloth. •Edge Forms: Use a chop saw to mitre inside and outside corners. Clamp, screw or build a temporary wood support and attach the edge forms to the cabinets. Place the edge forms below the substrate surface to hide the exposed edge. Seal all joints. •Reinforcement: Use ladder wire 1/2" from the tension surface of the slab.(Typically bottom of countertop). Wire mesh is not strong enough and rebar in general is too thick for countertops.

Seller warrants that the product described on the face hereof has been manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer shall be responsible for any claims resulting from the failure to utilize the product in the manner in which it was intended and in accordance with instructions provided for use of product. The only obligation of either the seller or manufacturer shall be to replace any quantity of this product which proved to be defective. Neither seller nor manufacture assumes any liability, loss, or damage resulting from use of this product.

MIXING INSTRUCTIONS:

It is highly recommended that a test casting be done to become familiar with the characteristics of Counter-Crete. This will also provide an opportunity to determine the suitability of the casting method, colours and sealers.

Con-Spec Counter-Crete will require 3.5 to 4 litres of potable water per 25 kg bag, to achieve the proper mix consistency. Add the Counter-Crete to the water and thoroughly mix to the proper consistency, mix for 3 minutes minimum but no more than 5 minutes in total.

If adding colour, carefully measure each colour to ensure uniform amount is incorporated into each batch of Counter-Crete. Even small variations in colour volume may cause noticeable colour variations in the finished product. Each 100 grams of colour is equal to a 1% loading, so to achieve a 3% colour loading add 300 grams of colour to each bag.

To fill areas 7 cm (3") deep or greater, add clean, dry 1 cm (3/8") size pea rock or chip stone to the Counter-Crete. The mix ratio must not exceed 22.7 kg (50 lbs) of rock to each 25 kg (55 lb) bag of Counter-Crete.

Mixing procedure: 1) Start mixer, 2) load water, 3) load rock, and 4) load the Con-Spec Counter-Crete.

WORKING CHARACTERISTICS:

Working time for Con-Spec Counter-Crete is 45-60 minutes. The countertop can be removed from the form 8-10 hours after casting. If the countertop is being pre-cast it is recommended that the countertop be removed from the form within 12 hours. The countertop can be polished or coated 24 hours after casting. The mixed material trowels easily and has a workable consistency at all water contents. After initial set, Counter-Crete will gain strength quickly and start to heat up. It is important to wet cure for 3-4 hours or until countertop returns to ambient temperatures.

APPLICATION TECHNIQUES:

Float the Counter-Crete firmly into the form by hand or with a trowel filling to the edges and all voids. Then trowel to a smooth finish. On large areas, use a screed to obtain a uniform level before trowelling. Consolidate the edges with a palm sander or pencil vibrator. Re-float the surface. Allow the concrete to take an initial set before steel trowelling. Avoid burning the surface with a magnesium float or steel trowel. To avoid ghosting do not pour material directly on the steel reinforcement. Any vibration or movement can cause ladder wire imaging (ghosting) to appear in finished product.

CURING TECHNIQUES:

Con-Spec Counter-Crete MUST be water cured. Proper curing increases the strength and durability of the concrete. During the initial hydration phase Counter-Crete demands moisture and the rapid reaction generates significant heat. If sufficient moisture is not provided during curing process, cracking and curling is possible. Moisture can be provided through ponding or repeated wetting for 3-4 hours after casting, long term stability and strength are preserved and ensured.

FIBRES & GFRC:

Glass fibre reinforcement can be used to make Con-Spec Counter-Crete even stronger while reducing any possible plastic shrinkage cracking. Fibres will also increase the flexural strength of the countertop dramatically. Without any preplanning, these fibres will be visible on the surface of the countertop if a diamond grind and/or polish is done.

The glass fibres are inert, non-corrosive and alkali resistant. They are designed to reinforce the Counter-Crete, and are available in 500 gram and 20 kg bags.

The fibres are added to the mixed Counter-Crete and thoroughly blended for 2-3 minutes before placement of the Counter-Crete in the form. Do not over mix the fibre mixture. The addition of the fibres will reduce the flowability of the Counter-Crete. Fibres may stick up in the finished top surface.

GFRC (Glass Fibre Reinforced Concrete) is normally cast around 1/2 to 3/4 inch in thickness. Due to the thin nature of the concrete it loses moisture much more rapidly than a thicker section. This then requires the use of polymers to help hold moisture in the concrete mix.

Proper curing of the GFRC is essential. After initial set, when the surface is strong enough not to be marred, mist the counter-Crete with water. Wet towels or burlap may also be used but the placement of plastic/poly over top is then crucial to prevent the towels from wicking moisture up from the Counter-Crete GFRC.

This GFRC mix may also be used to make "bendable Concrete". Approximately 30 minutes after mixing at 20°C the Counter-Crete GFRC may be molded, ie the form manipulated to create the bends required for your casting.

GFRC FORMULATION:

For each bag of Con-Spec Counter-Crete use:
900 grams AR Glass Fibre
2 Litres Spec-Deck Resin
2.5 Litres Water

CLEAN UP:

Clean application tools and mixing equipment with water immediately following use.

SAFETY PRECAUTIONS:

Product contains cement and is alkaline on contact with water. Wear dust, skin, and eye protection. Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. In case of eye contact, flood eyes repeatedly with water and call a physician immediately. DO NOT RUB EYES! Wash hands thoroughly with soap and clean water after handling. Do not take internally. Keep out of reach of children. Consult Safety Data Sheet for further information.



COUNTER-CRETE BUG HOLE MIX

DESCRIPTION:

Con-Spec Counter-Crete Bug Hole Mix is a unique polymer modified cementitious material for filling in bug holes and defects in concrete countertops. It can be used neat or it can be mixed with colouring agents to match the appearance of the existing Con-Spec Counter-Crete countertop. It is compatible with all concrete colours or staining methods. Con-Spec Counter-Crete Bug Hole Mix requires only potable water for mixing. Working time of the Con-Spec Counter-Crete Bug Hole Mix is approximately 30 minutes.

USES:

Con-Spec Counter-Crete Bug Hole Mix is a unique polymer modified cementitious slurry mix for filling in bug holes or surface defects in concrete countertops.

COVERAGE:

Con-Spec Countertop Bug Hole Mix is packaged in 900 gram jars and will yield approximately 825 ml of mix per jar. One jar will cover approximately 25-50 square feet of concrete countertop area depending upon application rate.

SURFACE PREPARATION:

For patching concrete surfaces: The surface grind or polish must be done, then clean surface of any loose dust, dirt, and other contaminants. Dampen surface with clean water immediately before application. Wipe up excess water to prevent dilution of the Counter-Crete Bug Hole Mix.

MIXING INSTRUCTIONS:

900 grams of Counter-Crete Bug Hole Mix will require approximately 450 ml of clean potable water. Mix by hand. Do not aerate while mixing. Mix to a thin creamy consistency. Only mix what can be applied within a 30 minute working time.

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If adding colour, carefully measure each colour by weight to ensure uniform amount of colour is incorporated into each batch of Counter-Crete Bug Hole Mix. Even small variations in colour volume may cause noticeable colour variations in the finished product. Each 900 gram jar of Counter-Crete Bug Hole Mix will require 9 grams of colour to match a 1% loading, so to achieve a 3% colour loading add 27 grams of colour to each jar.

WORKING CHARACTERISTICS:

Con-Spec Counter-Crete Bug Hole Mix is mixed to a thin creamy consistency that can be trowelled or floated on the concrete surface. Apply as thin as possible ensuring sufficient pressure is applied to fill all bug holes and voids in the concrete surface. Counter-Crete Bug Hole Mix can be dry buffed or sanded after eight hours.

APPLICATION TECHNIQUES:

Using a putty knife or small trowel apply sufficient pressure to fill all holes and voids. The areas to be filled, must be trowelled in different directions, with sufficient pressure to displace the air in the bug holes. Trowel to a smooth finish. After a eight hour cure dry buff or sand the surface to remove any trowel marks or excess material from surface.

CLEAN UP:

Clean all mixing and application tools with water immediately following use. Remove all splatter or spills with water before material sets.

SAFETY PRECAUTIONS:

Product contains cement and is alkaline on contact with water. Wear dust, skin, and eye protection. Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. In case of eye contact, flood eyes repeatedly with water and call a physician immediately. **DO NOT RUB EYES!** Wash hands thoroughly with soap and clean water after handling. Do not take internally. Keep out of reach of children. Consult Safety Data Sheet for further information.

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WHITE COUNTER-CRETE

DESCRIPTION:

Con-Spec's White Counter-Crete is a unique combination of preblended cementitious materials for casting concrete countertops. White Counter-Crete is versatile and allows for creative blends. It can be used neat or with plain/coloured stones or objects. It is compatible with all concrete colours and staining methods. White Counter-Crete requires only potable water for mixing. White Counter-Crete requires a proper curing time of 24 to 72 hours depending upon conditions. The countertop can be removed from the form after curing and then can be polished. Keep in mind the countertop is green and easily gouged by bits of grit or aggregate that may break loose during the grinding/polishing process. If the countertop is cast over 3 inches in depth, it is recommended that aggregate be included in the mix. Working time of the White Counter-Crete is 45 - 60 minutes. If the countertop will have a sealer/coating it is recommended that a light cleaning be performed to remove any surface laitance of cement dust that may be on the surface.

COMPOSITION:

Con-Spec's White Counter-Crete contains proprietary cements and specially selected aggregates and admixtures.

COVERAGE:

Con-Spec's White Counter-Crete is packaged in 25 kg (55 lb) bags and will yield approximately 0.5 cubic feet or 0.014 cubic meters per bag at 4L of water per bag. A 25 kg bag of White Counter-Crete at 1.5" deep will provide roughly 4 square feet of concrete countertop area.

FORMING:

Cabinet Preparation for Cast-in-Place: •Use concrete backer board for cabinet sub-top or plywood with a moisture barrier. (The application of 2 coats of Con-Spec Latex Bonding Admixture then allowing to dry between coats will protect the plywood). Protect the cabinet facing and floor from concrete spills with a drop cloth.
•Edge Forms: Use a chop saw to mitre inside and outside corners. Clamp, screw or build a temporary wood support and attach the edge forms to the cabinets. Place the edge forms below the substrate surface to hide the exposed edge. Seal all joints.
•Reinforcement: Use ladder wire ½" from the tension surface of the slab (typically bottom of countertop). Wire mesh is not strong enough and rebar in general is too thick for countertops.

White Counter-Crete is flowable. Ensure that all seams are properly sealed to prevent leakage of the material from the forms.

MIXING INSTRUCTIONS:

It is highly recommended that a test casting be done to become familiar with the characteristics of White Counter-Crete. This will also provide an opportunity to determine the suitability of the casting method, colours and sealers.

Con-Spec's White Counter-Crete will require 3.5 to 4 litres of potable water per 25 kg bag, to achieve the proper mix consistency. Add the White Counter-Crete to the water and thoroughly mix to the proper consistency, mix for 3 minutes minimum but no more than 5 minutes in total. Allow mixture to sit for 2-3 minutes, then re-mix before using.

If adding colour, carefully measure each colour to ensure uniform amount is incorporated into each batch of Counter-Crete. Even small variations in colour volume may cause noticeable colour variations in the finished product. Each 100 grams of colour is equal to a 1% loading, so to achieve a 3% colour loading, add 300 grams of colour to each bag.

WORKING CHARACTERISTICS:

Con-Spec's White Counter-Crete has a 45-60 minute working time. The countertop can be removed from the mold 24-72 hours after casting. The mixed material is flowable; it has an easily workable consistency at all water contents.

APPLICATION TECHNIQUES:

Con-Spec's White Counter-Crete is flowable. On large areas, use a screed to obtain a uniform level before trowelling. Consolidate the edges with a palm sander or pencil vibrator. Re-float the surface. Allow the concrete to take an initial set before steel trowelling. Avoid burning the surface with a magnesium float or steel trowel. To avoid ghosting do not pour material directly on the steel reinforcement. Any vibration or movement can cause ladder wire imaging (ghosting) to appear in finished product.

Seller warrants that the product described on the face hereof has been manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer shall be responsible for any claims resulting from the failure to utilize the product in the manner in which it was intended and in accordance with instructions provided for use of product. The only obligation of either the seller or manufacturer shall be to replace any quantity of this product which proved to be defective. Neither seller nor manufacture assumes any liability, loss, or damage resulting from use of this product.

FIBRES & GFRC:

Glass fibre reinforcement can be used to make White Counter-Crete even stronger while reducing any possible plastic shrinkage cracking. Fibres will also increase the flexural strength of the countertop dramatically. With out any preplanning, these fibres will be visible on the surface of the countertop if a diamond grind and/or polish is done.

GFRC (Glass Fibre Reinforced Concrete) is normally cast around 1/2 inch to 3/4 inch in thickness. Due to the thin nature of the concrete it loses moisture much more rapidly than a thicker section. This then requires the use of polymers to help hold moisture in the concrete mix.

The glass fibres are inert, non-corrosive and alkali resistant. They are designed to reinforce the Counter-Crete, and are available in 500 gram and 20 kg bags.

The fibres are added to the mixed Counter-Crete and thoroughly blended for 2-3 minutes before placement of the Counter-Crete in the form. Do not over mix the fibre mixture. The addition of the fibres will reduce the flowability of the Counter-Crete. Fibres may stick up in the finished top surface.

GFRC FORMULATION:

For each bag of Con-Spec White Counter-Crete use:
900 grams AR Glass Fibre
2 Litres Spec-Deck Resin
2.5 Litres Water

CURING TECHNIQUES:

Con-Spec's White Counter-Crete must be cured. Proper curing increases the strength and durability of concrete. Curing should be started as soon as possible and should continue until removed from the form at 48 hours or later. Counter-Crete should be moist-cured by tenting with plastic sheeting– exercise caution to prevent the tent from contacting the fresh concrete as it will leave surface imperfections. Properly cured concrete countertops may usually be removed from the form after 48-72 hours. Use extreme caution when removing inserts or knock-outs. The finished countertop may be sanded or polished as desired.

CLEAN UP:

Clean application tools and mixing equipment with water immediately following use.

SAFETY PRECAUTIONS:

Product contains cement and is alkaline on contact with water. Wear dust, skin, and eye protection. Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. In case of eye contact, flood eyes repeatedly with water and call a physician immediately. **DO NOT RUB EYES!** Wash hands thoroughly with soap and clean water after handling. Do not take internally. Keep out of reach of children. Consult Safety Data Sheet for further information.

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WHITE COUNTER-CRETE BUG HOLE MIX

DESCRIPTION:

Con-Spec White Counter-Crete Bug Hole Mix is a unique polymer modified cementitious material for filling in bug holes and defects in concrete countertops. It can be used neat or it can be mixed with colouring agents to match the appearance of the existing White Counter-Crete countertop. It is compatible with all concrete colours or staining methods. White Counter-Crete Bug Hole Mix requires only potable water for mixing. Working time of the White Counter-Crete Bug Hole Mix is approximately 30 minutes.

USES:

Con-Spec's White Counter-Crete Bug Hole Mix is a unique polymer modified cementitious slurry mix for filling in bug holes or surface defects in concrete countertops.

COVERAGE:

White Counter-Crete Bug Hole Mix is packaged in 900 gram jars and will yield approximately 825 ml of mix per jar. One jar will cover approximately 25-50 square feet of concrete countertop area depending upon application rate.

SURFACE PREPARATION:

For patching concrete surfaces: The surface grind or polish must be done, then clean surface of any loose dust, dirt, and other contaminants. Dampen surface with clean water immediately before application. Wipe up excess water to prevent dilution of the White Counter-Crete Bug Hole Mix.

MIXING INSTRUCTIONS:

900 grams of White Counter-Crete Bug Hole Mix will require approximately 450 ml of clean potable water. Mix by hand. Do not aerate while mixing. Mix to a thin creamy consistency. Only mix what can be applied within a 30 minute working time.

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If adding colour, carefully measure each colour by weight to ensure uniform amount of colour is incorporated into each batch of White Counter-Crete Bug Hole Mix. Even small variations in colour volume may cause noticeable colour variations in the finished product. Each 900 gram jar of Counter-Crete Bug Hole Mix will require 9 grams of colour to match a 1% loading, so to achieve a 3% colour loading add 27 grams of colour to each jar.

WORKING CHARACTERISTICS:

Con-Spec Counter-Crete Bug Hole Mix is mixed to a thin creamy consistency that can be trowelled or floated on the concrete surface. Apply as thin as possible ensuring sufficient pressure is applied to fill all bug holes and voids in the concrete surface. Counter-Crete Bug Hole Mix can be dry buffed or sanded after eight hours.

APPLICATION TECHNIQUES:

Using a putty knife or small trowel apply sufficient pressure to fill all holes and voids. The areas to be filled, must be trowelled in different directions, with sufficient pressure to displace the air in the bug holes. Trowel to a smooth finish. After a eight hour cure dry buff or sand the surface to remove any trowel marks or excess material from surface.

CLEAN UP:

Clean all mixing and application tools with water immediately following use. Remove all splatter or spills with water before material sets.

SAFETY PRECAUTIONS:

Product contains cement and is alkaline on contact with water. Wear dust, skin, and eye protection. Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. In case of eye contact, flood eyes repeatedly with water and call a physician immediately. DO NOT RUB EYES! Wash hands thoroughly with soap and clean water after handling. Do not take internally. Keep out of reach of children. Consult Safety Data Sheet for further information.

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SUPER FLOW COUNTER-CRETE

DESCRIPTION:

Con-Spec's Super Flow Counter-Crete is a unique combination of preblended cementitious materials for casting concrete countertops. Super Flow Counter-Crete is versatile and allows for creative blends. It can be used neat or with plain/coloured stones or objects. It is compatible with all concrete colours and staining methods. Super Flow Counter-Crete requires only potable water for mixing. Super Flow Counter-Crete requires a proper curing of 24 to 72 hours depending upon conditions. The countertop can be removed from the form after curing. The countertop can be polished, but keep in mind the concrete is green and easily gouged by bits of grit or aggregate that may break loose during the grinding/polishing process. If the countertop is cast over 3 inches in depth, it is recommended that aggregate be included in the mix. Working time of the Super Flow Counter-Crete is 45 - 60 minutes. If the countertop will have a sealer/coating, it is recommended that a light cleaning be performed to remove any surface laitance of cement dust that may be on the surface.

COVERAGE:

Con-Spec's Super Flow Counter-Crete is packaged in 25 kg (55 lb) bags and will yield approximately 0.5 cubic feet or 0.014 cubic meters per bag at 3.5L of water per bag. A 25 kg bag of Super Flow Counter-Crete at 1.5" deep will provide roughly 4 square feet of concrete countertop area.

FORMING:

Cabinet Preparation for Cast-in-Place: •Use concrete backer board for cabinet sub-top or plywood with a moisture barrier. (The application of 2 coats of Con-Spec Latex Bonding Admixture then allowing to dry between coats will protect the plywood). Protect the cabinet facing and floor from concrete spills with a drop cloth.

- Edge Forms: Use a chop saw to mitre inside and outside corners. Clamp, screw or build a temporary wood support and attach the edge forms to the cabinets. Place the edge forms below the substrate surface to hide the exposed edge. Seal all joints.
- Reinforcement: Use ladder wire ½" from the tension surface of the slab. (Typically bottom of countertop). Wire mesh is not strong enough and rebar in general is too thick for countertops.

Super Flow Counter-Crete is extremely flowable. Ensure that all seams are properly sealed to prevent leakage of the material from the forms.

MIXING INSTRUCTIONS:

It is highly recommended that a test casting be done to become familiar with the characteristics of Super Flow Counter-Crete. This will also provide an opportunity to determine the suitability of the casting method, colours and sealers.

Con-Spec's Super Flow Counter-Crete will require 3.0 to 3.5 litres of potable water per 25 kg (55 lb) bag, to achieve the proper mix consistency. Add the Super Flow Counter-Crete to the water and thoroughly mix to the proper consistency, mix for 3 minutes minimum but no more than 5 minutes in total. Allow mixture to sit for 2-3 minutes, then re-mix before using.

If adding colour, carefully measure each colour to ensure uniform amount is incorporated into each batch of Counter-Crete. Even small variations in colour volume may cause noticeable colour variations in the finished product. Each 100 grams of colour is equal to a 1% loading, so to achieve a 3% colour loading, add 300 grams of colour to each bag.

WORKING CHARACTERISTICS:

Con-Spec's Super Flow Counter-Crete has a 45-60 minute working time. The countertop can be removed from the form 24-48 hours after casting. The mixed material is highly flowable; it has an easily workable consistency at all water contents.

APPLICATION TECHNIQUES:

Con-Spec's Super Flow Counter-Crete has a 45-60 minute working time. It is also very flowable. On large areas, use a screed to obtain a uniform level before trowelling. Consolidate the edges with a palm sander or pencil vibrator. Re-float the surface. Allow the concrete to take an initial set before steel trowelling. Avoid burning the surface with a magnesium float or steel trowel. To avoid ghosting do not pour material directly on the steel reinforcement. Any vibration or movement can cause ladder wire imaging (ghosting) to appear in finished product.

GFRC:

Glass fibre reinforcement can be used to make Super Flow Counter-Crete even stronger while reducing any possible plastic shrinkage cracking. Fibres will also increase the flexural strength of the countertop dramatically. With out any preplanning, these fibres will be visible on the surface of the countertop if a diamond grind and/or polish is done.

GFRC (Glass Fibre Reinforced Concrete) is normally cast around 1/2 inch to 3/4 inch in thickness. Due to the thin nature of the concrete it loses moisture much more rapidly than a thicker section. This then requires the use of polymers to help hold moisture in the concrete mix. Super Flow Counter-Crete requires approximately 600g of polymer solids.

The glass fibres are inert, non-corrosive and alkali resistant. They are designed to reinforce the Counter-Crete, and are available in 500 gram and 20 kg bags.

The fibres are added to the mixed Counter-Crete and thoroughly blended for 2-3 minutes before placement of the Counter-Crete in the form. Do not over mix the fibre mixture. The addition of the fibres will reduce the flowability of the Super Flow Counter-Crete. Fibres may stick up in the finished top surface.

GFRC FORMULATION:

For each bag of Con-Spec Super Flow Counter-Crete use:
900 grams AR Glass Fibre
2 Litres Spec-Deck Resin
2 Litres Water

CURING TECHNIQUES:

Con-Spec's Super Flow Counter-Crete must be cured. Proper curing increases the strength and durability of concrete. Curing should be started as soon as possible and should continue until removed from the form at 24 hours or later. Counter-Crete should be moist-cured by tenting with plastic sheeting– exercise caution to prevent the tent from contacting the fresh concrete as it will leave surface imperfections. Properly cured concrete countertops may usually be removed from their form in 24 hours. Use extreme caution when removing inserts or knock-outs. The finished countertop may be sanded or polished as desired.

CLEAN UP:

Clean application tools and mixing equipment with water immediately following use.

SAFETY PRECAUTIONS:

Product contains cement and is alkaline on contact with water. Wear dust, skin, and eye protection. Irritating to eyes and skin. Avoid splashing into eyes or contact with skin. In case of eye contact, flood eyes repeatedly with water and call a physician immediately. **DO NOT RUB EYES!** Wash hands thoroughly with soap and clean water after handling. Do not take internally. Keep out of reach of children. Consult Safety Data Sheet for further information.

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