
PRODUCT SPECIFICATION SHEET

1. PRODUCT NAME

DURUS® #30 Grey

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

Basic Use: DURUS® #30 Grey is a cementitious product with a unique acrylic-based additive for all types of high strength patching, repairing, and coating of concrete surfaces. DURUS® #30 Grey produces high compression, adhesion, tensile and flexural strength, making it an excellent choice for repairing virtually any type of concrete surface. Another feature that makes DURUS® #30 Grey an excellent choice of coatings is its ability to add a highly water-resistant surface to many applications such as concrete pipes, septic tanks and retaining walls.

Composition and Materials: DURUS® #30 Grey is a precisely proportioned, ready-to-use material that is packaged in two parts. Part I consists of a modified acrylic liquid. Part II consists of a dry mixture of cement, sands and other additives. DURUS® #30 Grey is produced to ensure a quality composition of its dry mix and wet blend parts. Portland cement and silica sands are carefully blended to assure an evenly disbursed dry mix. The acrylic polymer blend uses fine ingredients to help modify the polymers.

Limitations: DURUS® #30 Grey should not be used to prevent cracks that structurally exceed the product's properties. It should not be used to patch surfaces that have coatings or underlayments that are unsound or unstable such as asphalt with tar, vertical walls with peeling paint, sidewalks with cracks, chipping and delamination *unless* these surfaces have been properly prepared. The use of any type of additive, admixture or modifier should not be used, unless recommended and approved in writing by Durus International Corporation. All deep patches should first be placed in order to allow for shrinkage. A 1/8" to 1/4" (3.175 mm to 6.35 mm) finish coating may then be applied to top the thick patch after sufficient hydration has taken place, thus minimizing the possibility for hairline cracks. DURUS® #30 Grey coatings should not be placed in temperatures lower than 40°F (4.4°C). Extended curing periods may be required for applications at lower temperatures.

Adequate precautions shall be taken to protect freshly applied DURUS® #30 Grey coatings from sudden, unexpected rain or other disturbances. Make sure prepared surface is completely dry before applying the DURUS® #30 Grey material.

Precautions: Contents include Portland cement, silica sand and acrylic. Avoid breathing dust from dry mixture. Contains silica dust that can be harmful to your health, if inhaled. Avoid contact with eyes and extended contact with skin. If material comes in contact with your eyes, flush with water repeatedly and contact physician immediately. For further information, see DURUS® #30 Grey Material Safety Data Sheet (MSDS).

4. INSTALLATION

Surface Preparation: To assure the strongest possible bond, substrate must be sound, free of all contaminants such as dust, oil, paint, efflorescence, and foreign matter. Remove all loose, chipped, spalled, honeycombed, or contaminated concrete. When bonding DURUS® #30 Grey to steel and other metal surfaces remove all rust, scale and paint. Ideal bonding conditions require a rough, abraded surface.

Preparation may involve acid etching, power washing, sandblasting, or mechanical scarifying. DURUS® Primer should be sprayed on surface to enhance bonding, water resistance and workability of the DURUS® High Tech Cement products.

Mixing Instructions: Open the half-gallon (1.89 L) size bottle labeled DURUS® #30 Grey - LIQUID Part and pour entire contents into a clean five-gallon (18.92 L) size pail. Utilizing the now empty bottle, add one full bottle of cool, drinkable (potable) water to the LIQUID Part. Gently stir LIQUID Part and water. Gradually added contents of DURUS® #30 Grey - DRY MIX Part to the liquid mixture. Mix liquid mixture and dry mix with a Jiffy-type mixing paddle attached to a 1/2" (12.7 mm) electric drill (not to exceed 500 rpm) for two to three minutes or until mixture is consistent and free of lumps. If necessary, fill empty half-gallon bottle a second time with cool, drinkable (potable) water and add only enough water to achieve desired working consistency.

Do not mix more material than can be placed in 15 minutes. Excessive water or re-tampering mix after initial mixing process can seriously diminish the properties of DURUS® #30 Grey. All mixing equipment should be cleaned immediately to prevent product build-up.

Placement Procedures: DURUS® #30 Grey can be applied with hand tools (steel or plastic trowels, or magnesium floats) in small work areas or with vibrating screeds or an approved finishing machine. If any bleeding of white chemical should appear during placing of DURUS® #30 Grey, water content may be too high for porosity or temperature of surface. Water content must be lowered. DURUS® #30 Grey is a wet pass material at thin layers. Excessive finishing should be avoided. For non-slip or textured surfaces, a float or troweled finish may be left. Brooming to desired texture should be done shortly after initial set, prior to crusting of surface. DURUS® #30 Grey cement coatings should be cut free at all planes (angles) or at dissimilar substrate areas.

Curing: Dry curing is essential to DURUS® #30 Grey. No curing compounds are needed. Allow at least seven dry days before applying paint to DURUS® #30 Grey surface. DURUS® #30 Grey is moisture and temperature sensitive and will cure accordingly. In ideal conditions, such as 80°F (26.67°C) with 40% humidity, a 1/8" (3.175 mm) coating of DURUS® #30 Grey will accept foot traffic within four to five hours. Vehicular traffic may resume in six to eight hours.

5. **PACKAGING & COVERAGE**

Packaging: DURUS® #30 Grey contains two parts -- a 25 kg (55.1 lb.) pail labeled DURUS® #30 Grey - DRY MIX Part and a half-gallon (1.89 L) plastic bottle labeled DURUS® #30 Grey - LIQUID Part.

Coverage: Each 25 kg (55.1 lb.) unit of DURUS® #30 Grey will cover approximately 55 sq. ft. (5.11 sq. M) at 1/8" (3.175 mm) thickness or 1/2 cu. ft. (.0141 cu. M) by volume. Coverage may vary depending on project conditions and skill level of applicator.

6. **WARRANTY**

Durus International Corporation warrants that DURUS® #30 Grey manufactured by it shall be free from material defects. THIS WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. DURUS INTERNATIONAL CORPORATION MAKES NO WARRANTY AS TO MERCHANTABILITY OR FOR FITNESS OF PURPOSE. Should the DURUS® #30 Grey be proven defective, the liability to Durus International Corporation shall be solely limited to the replacement of the material proven to be defective (material only, no labor). The replacement of the DURUS® #30 Grey shall be the exclusive remedy. Durus International Corporation shall not be liable for any consequential damages. User shall determine the suitability of the product for its intended use and shall assume all risks and liability in connection therewith.

7. **MAINTENANCE**

DURUS® #30 Grey requires no more maintenance than does regular Portland cement concrete.

8. **TECHNICAL SERVICES**

Durus International Corporation personnel are available to provide technical assistance by contacting the Corporate Office or the Manufacturing Plant as listed in Section 2 of this document.

This information is designed to guide the user and has been conscientiously compiled according to the latest state of Durus International Corporation's technology. No liability can be accepted in connection with the use of the product because of the great variety of applications, materials, and working conditions.
