

Evaporation Retarder

ER-921

TECHNICAL DATA

1.0 DESCRIPTION

ER-921 is a surface-active agent used to reduce the water evaporation rate from the surface of newly laid concrete. It is designed to form a thin film to reduce rapid moisture loss from the concrete surface. ER-921 is spray applied in diluted form to fresh concrete flatwork to reduce the tendency for surface plastic cracking to occur. ER-921 aids and improves the workability and finishing characteristics of the concrete surface. ER-921 also helps extend the surface workability time for a given set of weather conditions.

2.0 PROPERTIES

2.1. Colour	Clear – Light Yellow
2.2. S.G.	1
2.3. Viscosity	Low
2.4. Toxicity	May be harmful if swallowed
2.5. D.G. Classification	3 (Flammable liquid, UN 1993)
2.6. Dilution Ratio	1 part ER-921 to 9 parts clean water. All references & instructions for ER-921 are for diluted product
2.7. Coverage	Up to 10m ² per litre (fully diluted)

3.0 USES

Use ER-921 as an evaporation retarder for concrete flatwork surfaces when the evaporation rate exceeds the bleeding rate. Recommended for use on all concrete surfaces except dry shake hardeners and toppings.

4.0 APPLICATION INSTRUCTIONS

Undiluted ER-921 may develop flammable vapours if heated above 50°C. Dilute in a well-ventilated area and avoid open flames. No smoking. Keep away from ignition sources.

Store in a cool location (15 – 25 degrees C).

- 4.1. Shake or stir before using. Dilute ER-921 as supplied at the ratio of 1 part ER-921 with 9 parts water.
- 4.2. Apply ER-921 with a commercial sprayer. Use a Chapin 8005 spray tip (or equivalent) that produces a fine mist.
- 4.3. Apply a fine mist to completely cover the concrete surface. ER-921 is most effective the sooner it is applied, for example, immediately after screeding and or between finishing operations.
- 4.4. When working in hot, dry conditions, ER-921 should be reapplied after each operation (floating, trowelling, etc).
- 4.5. Do not allow ER-921 to puddle. If puddling occurs, wipe up immediately and rinse with water.

ER-921

TECHNICAL DATA Continued

4.0 APPLICATION INSTRUCTIONS (continued)

- 4.6. Clean all equipment immediately after use with clean water.
- 4.7. Cure concrete with FRACURE or FRACURE EMULSION after bleed water or excess surface water has dissipated. ER-921 is NOT a curing compound. The protective film usually lasts as long as the concrete is plastic. For proper curing, use a FRACURE curing compound or water cure.

5.0 PRECAUTIONS

- 5.1. DO NOT USE ER-921 as a finishing aid for cementitious materials such as dry shake hardeners or toppings.
- 5.2. ER-921 should not be worked into the concrete surface nor should it be used to re-temper concrete.
- 5.3. ER-921 is not suitable for application onto vertical surfaces or where excessive ER-921 run-off may occur.
- 5.4. Keep away from direct sunlight, frost and localised heat sources. Keep all containers tightly closed when not in use. Refer to Product Safety Data Sheet for handling and safety details.
- 5.5. Stratmore Construction Solutions Limited is not responsible for compatibility with other manufacturer's products.

6.0 PACKAGING

ER-921 is supplied as 4, 20 & 200-litre concentrates.



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