



URETHANE ACCELERATOR SERIES 44-456

PRODUCT PROFILE

GENERIC DESCRIPTION Urethane Accelerator

COMMON USAGE Series 44-456 is a special additive used for lower temperature applications and accelerated cure for rapid handling and recoat situations. It may be used with the following Endura-Shield products; Series 1094, 1095 and 1096.

COLORS Clear

TECHNICAL DATA

CURING TIME & POT LIFE MODIFICATIONS

The following table provides data on the approximate curing and pot life times for the following Endura-Shield products; Series 1094, 1094 or 1096, when Series 44-456 Accelerator has been added. See Mixing section for amount of accelerator and special instructions for mixing. **Caution:** With the use of Series 44-456 Urethane Accelerator a slight change in gloss may occur in cured finishes. **Note:** When using Series 44-456 with Series 1094 a 21 day maximum recoat time applies.

Series 1094 mixed with 2 ounces of 44-456:

Temperature	To Touch	To Handle	To Recoat	Pot Life†
75°F (24°C)	4 to 8 hours	9 hours	9 hours	3 hours
65°F (18°C)	4 to 8 hours	12 hours	12 hours	3 hours
55°F (13°C)	4 to 8 hours	16 hours	16 hours	4 hours
45°F (8°C)	4 to 8 hours	20 hours	20 hours	5 hours
35°F (2°C)	4 to 8 hours	24 hours	24 hours	5 hours

† At 50% Relative Humidity

Series 1095 or 1096 mixed with 4 ounces of 44-456:

Temperature	To Touch	To Handle	To Recoat	Pot Life†
75°F (24°C)	2 to 3 hours	6 hours	6 hours	3 hours
65°F (18°C)	2 to 3 hours	10 hours	10 hours	3 hours
55°F (13°C)	2 to 3 hours	16 hours	16 hours	4 hours
45°F (8°C)	2 to 3 hours	20 hours	20 hours	5 hours
35°F (2°C)	2 to 3 hours	24 hours	24 hours	5 hours

† At 50% Relative Humidity

VOLATILE ORGANIC COMPOUNDS

Series 1094 with Series 44-456:

Unthinned with 2 ounces of 44-456: 0.63 lbs/gallon (75 grams/litre)
 Thinned 15% (No. 10 Thinner): 2.84 lbs/gallon (341 grams/litre)
 Thinned 15% (No. 10 Thinner): 1.67 lbs/gallon (200 grams/litre) (TBAC exempt)
 Thinned 15% (No. 46 Thinner): 2.29 lbs/gallon (275 grams/litre)
 Thinned 15% (No. 46 Thinner): 0.79 lbs/gallon (94 grams/litre) (TBAC exempt)

Series 1095 with Series 44-456:

Unthinned with 4 ounces of 44-456: 0.73 lbs/gallon (88 grams/litre)
 Thinned 15% (No. 10 Thinner): 2.69 lbs/gallon (322 grams/litre)
 Thinned 15% (No. 10 Thinner): 1.73 lbs/gallon (208 grams/litre) (TBAC exempt)
 Thinned 15% (No. 46 Thinner): 2.16 lbs/gallon (258 grams/litre)
 Thinned 15% (No. 46 Thinner): 0.96 lbs/gallon (115 grams/litre) (TBAC exempt)

Series 1096 with Series 44-456:

Unthinned with 4 ounces of 44-456: 0.73 lbs/gallon (87 grams/litre)
 Thinned 15% (No. 10 Thinner): 2.87 lbs/gallon (344 grams/litre)
 Thinned 15% (No. 10 Thinner): 1.76 lbs/gallon (211 grams/litre) (TBAC exempt)
 Thinned 15% (No. 46 Thinner): 2.36 lbs/gallon (283 grams/litre)
 Thinned 15% (No. 46 Thinner): 0.96 lbs/gallon (115 grams/litre) (TBAC exempt)

NET WEIGHT PER GALLON

7.72 ± 0.10 lbs (3.50 ± .11 kg)

STORAGE TEMPERATURE

Minimum 20°F (-7°C) Maximum 110°F (43°C)

SHelf LIFE

12 months at recommended storage temperature.

FLASH POINT - SETA

60°F (16°C)

HEALTH & SAFETY

Paint products contain chemical ingredients which are considered hazardous. Read container label Safety Data Sheet for important health and safety information prior to the use of this product.
Keep out of the reach of children.

APPLICATION

MIXING

In all mixes, Series 44-456 accelerator must be added under agitation to avoid lumping, gelling or unpredictable curing. The use of more than the recommended amount of Series 44-456 accelerator will adversely affect coating performance. For two-component products, Series 44-456 should be added to Part A before mixing with Part B. Add thinner, if necessary, only after all other components are thoroughly mixed.

Stir thoroughly making sure no pigment remains on the bottom. While maintaining agitation, accurately add 2 ounces of Series 44-456 to Series 1094 or 4 ounces to Series 1095 or 1096 per mixed gallon. See product data sheet or label for additional mixing instructions.

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SURFACE TEMPERATURE

Minimum 35°F (2°C) Maximum: See applicable product data sheet.
 The surface should be dry and at least 5°F (3°C) above the dew point. Coating will not cure below minimum surface temperature.
 Cure time necessary to resist direct contact with moisture at surface temperature:

Series 1094 mixed with 2 ounces of Series 44-456:

Temperature	To Resist Moisture
75°F (24°C)	6 hours
65°F (18°C)	8 hours
55°F (13°C)	12 hours
45°F (7°C)	18 hours
35°F (2°C)	24 hours

Series 1095 or 1096 mixed with 4 ounces of Series 44-456:

Temperature	To Resist Moisture
75°F (24°C)	3 hours
65°F (18°C)	4 hours
55°F (13°C)	6 hours
45°F (7°C)	16 hours
35°F (2°C)	20 hours

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