

# PIGMENT IMAGE DATABASE UNDER UV AND IR RADIATIONS

*Extract #6*

*Historical pigments : WHITE*

CENTRE DE  
RECHERCHE  
ET DE  
RESTAURATION  
DES MUSÉES  
DE FRANCE


Groupe Imagerie, département Recherche du C2RMF

Responsable groupe Imagerie : Clotilde Boust

Laurence Clivet, Jean-Louis Bellec, Jérôme Rumolo, Anne Wohlgemuth



## MISE EN GARDE CAUTION

Attention ! Nos données sont partagées à titre indicatif, et n'ont en aucun cas une valeur universelle. 

Nos données dépendent de plusieurs paramètres, notamment le matériel photographique utilisé, ainsi que le liant, le mélange, le vieillissement et la concentration des pigments. Avant d'utiliser ces données, merci de consulter notre article « Mémo des procédures photographiques » sur le site internet [www.copa.hypotheses.org](http://www.copa.hypotheses.org). Vous aurez ainsi accès à toute la chaîne de production de nos images. Nous vous conseillons d'utiliser ces données avec la plus grande précaution.

Please, notice our data are shared for information only and do not constitute a universal database.

Our data depend on several parameters, including the photographic material used (camera and filter), and the mixture, the aging, and the concentration of the pigments. Before using this data, please read our article “memo of the photographic procedures” on [www.copa.hypotheses.org](http://www.copa.hypotheses.org). You will have access to the whole production chain of our images.

Please use this data with caution.



## HISTORICAL PIGMENTS : KREMER PRODUCTION

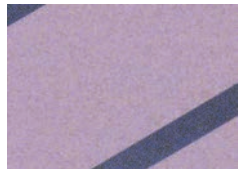
### WHITE PIGMENTS

Kremer n° 11282	Nero Bernino, gray-green slate from Bernina, Switzerland, 0 - 120 µm
Kremer n° 11283	Alba Albula, buff white colored chalk, from Albula, Switzerland
Kremer n° 11290	Sugar Dolomite, 0 - 120 µm
Kremer n° 11320	Rhodochrosite, pale-coral pink, 0 - 120 µm
Kremer n° 11354	Slate Green from Mels, Switzerland
Kremer n° 11390	Jade, very fine, Russian, <63 µm
Kremer n° 11401	Rock Crystal, powder, 0 - 63 µm
Kremer n° 11410	Eggshell White, fine, white powder
Kremer n° 11420	Fuchsite, extra fine, 0 - 100 µm
Kremer n° 11674	Obsidian black, natural glass from Mexico
Kremer n° 11810	Selenite, Marienglas, gypseous spar, from Cyprus, 0 - 80 µm
Kremer n° 11830	Aragonite, extra white, fine grind, 0 - 63 µm

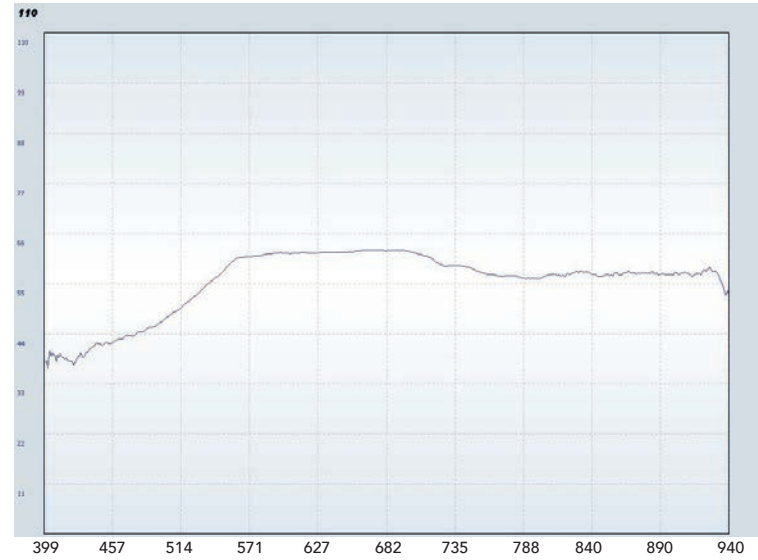
Kremer n° 11282  
 Nero Bernino  
 gray-green slate from  
 Bernina, Switzerland,  
 0 - 120 µm



IRFC

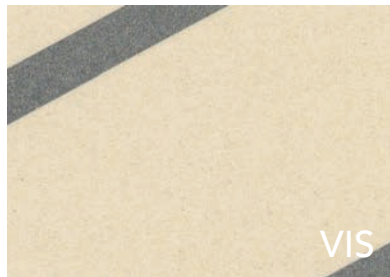


UVFC

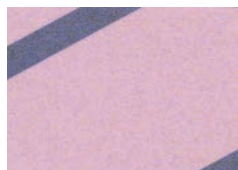


REFLECTANCE SPECTRUM (VISIBLE & IR DOMAIN)

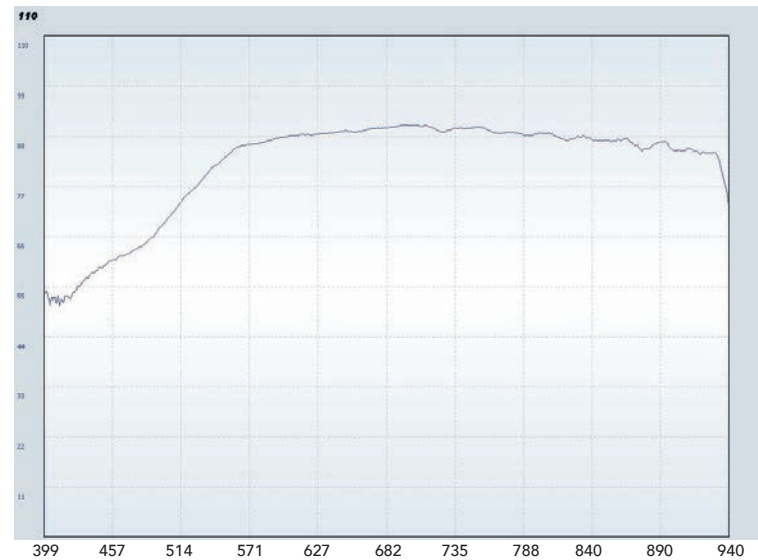
Kremer n° 11283  
 Alba Albula, buff  
 white colored chalk,  
 from Albula,  
 Switzerland



IRFC

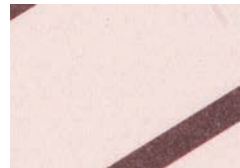


UVFC



REFLECTANCE SPECTRUM (VISIBLE & IR DOMAIN)

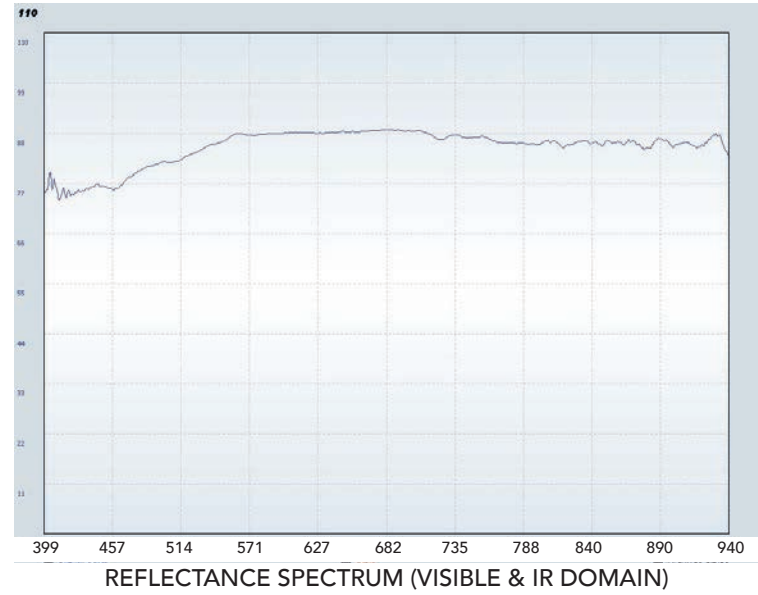
Kremer n° 11290  
Sugar Dolomite  
0 - 120 µm



IRFC



UVFC



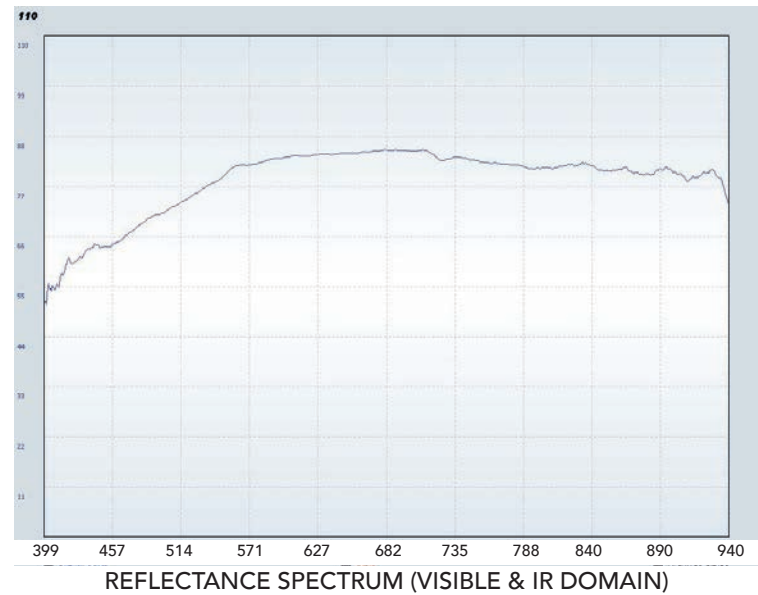
Kremer n° 11320  
Rhodochrosite  
pale-coral pink,  
0 - 120 µm



IRFC



UVFC



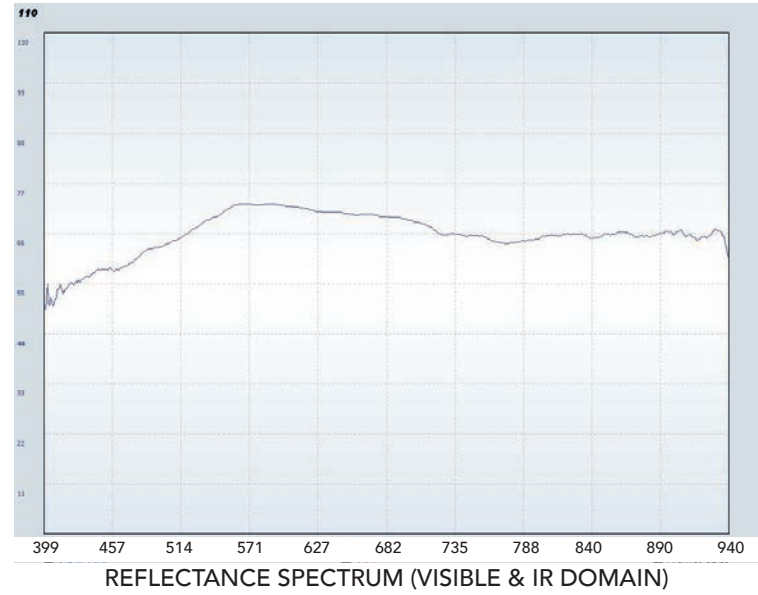
Kremer n° 11354  
Slate Green from  
Mels, Switzerland



IRFC



UVFC



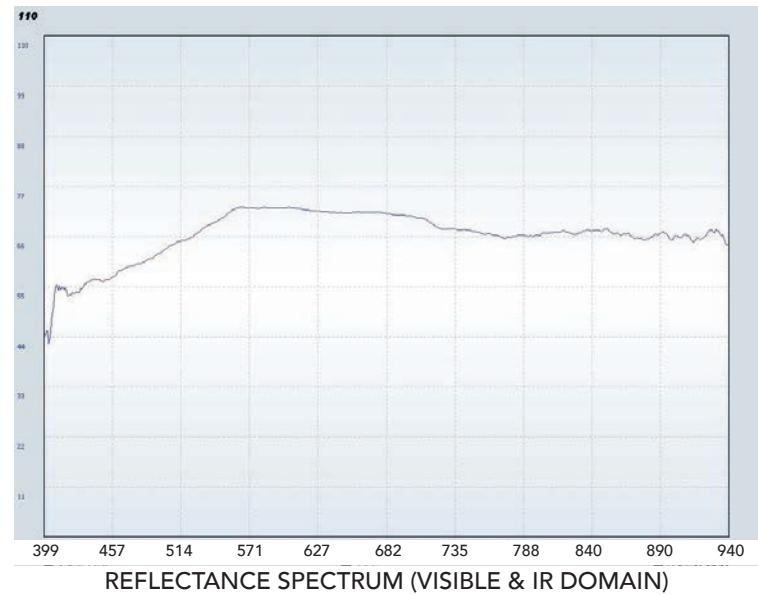
Kremer n° 11390  
Jade, very fine,  
Russian, <63 μm



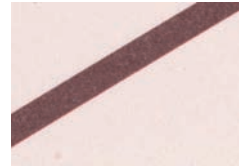
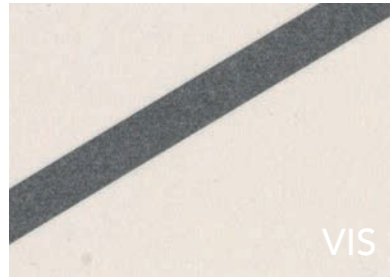
IRFC



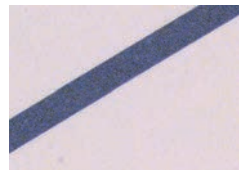
UVFC



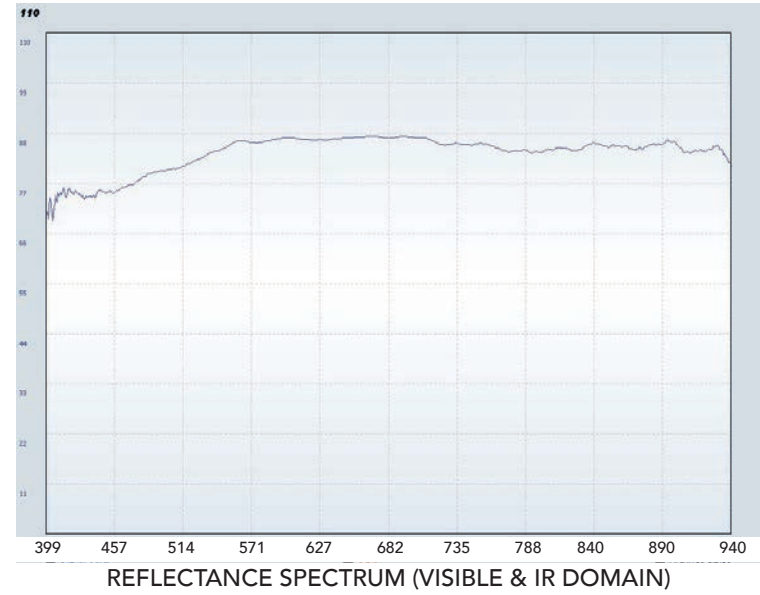
Kremer n° 11401  
Rock Crystal  
powder, 0 - 63  $\mu\text{m}$



IRFC



UVFC



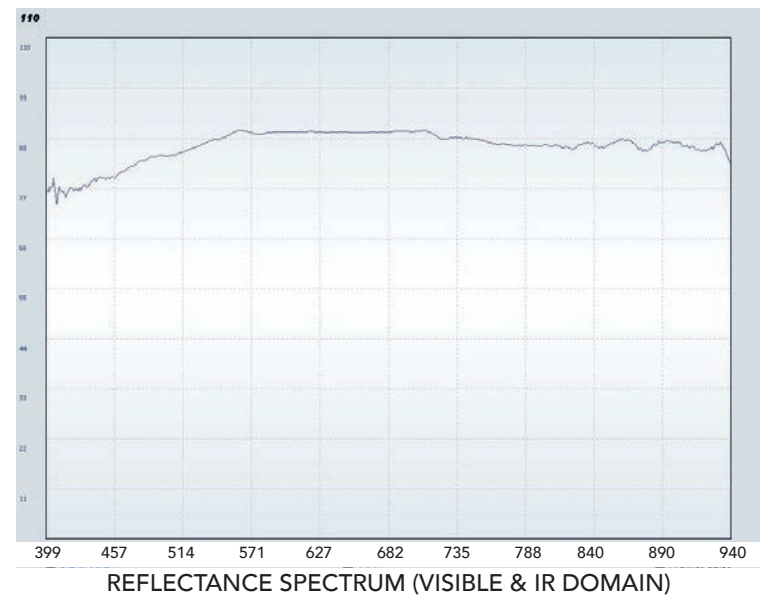
Kremer n° 11410  
Eggshell White  
fine, white powder



IRFC



UVFC

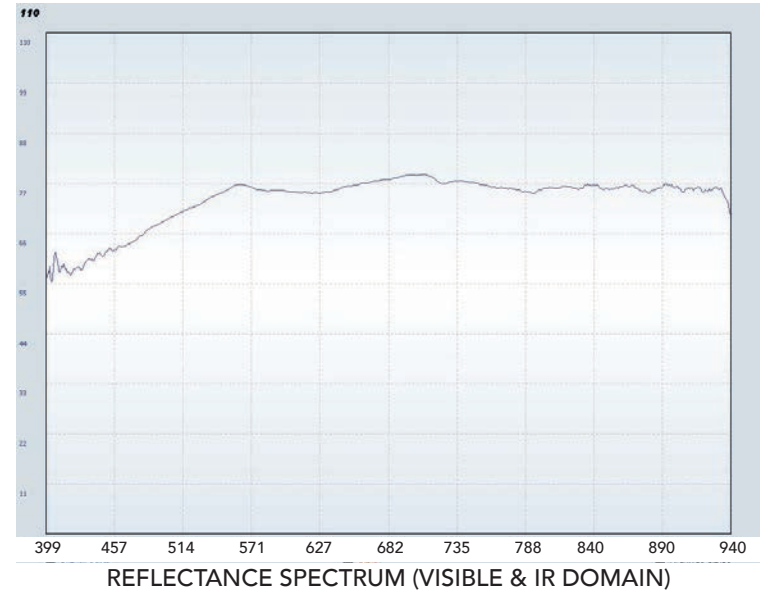


Kremer n° 11420  
Fuchsite, extra fine,  
0 - 100  $\mu\text{m}$

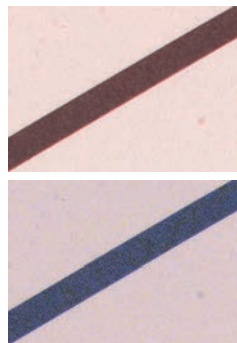
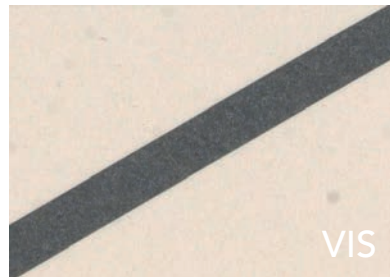


IRFC

UVFC

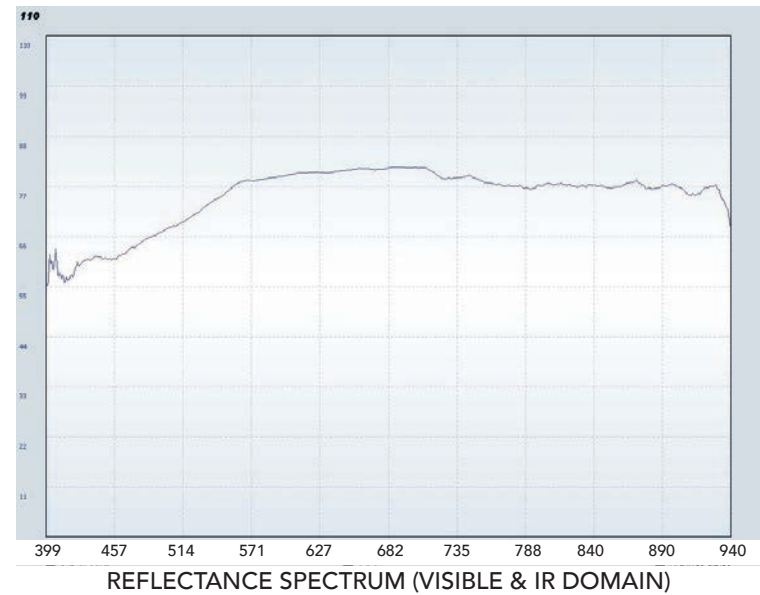


Kremer n° 11674  
Obsidian black,  
natural glass from  
Mexico



IRFC

UVFC





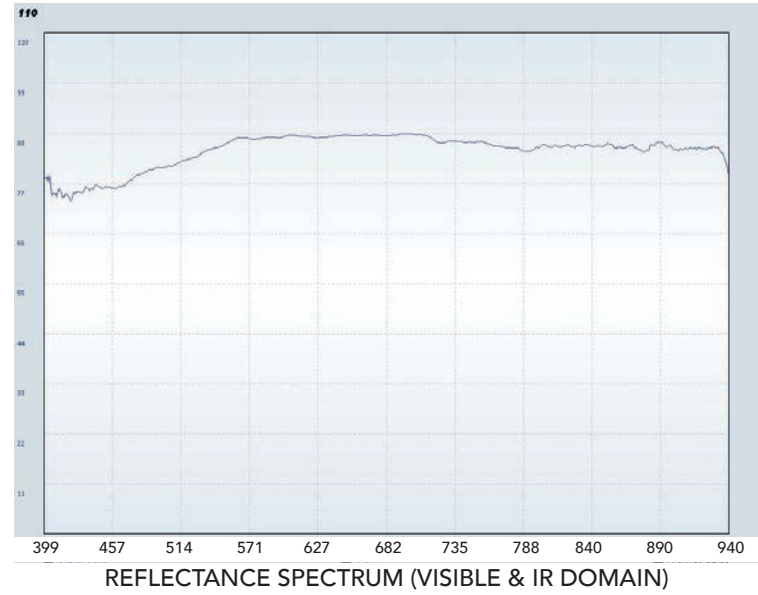
Kremer n° 11810  
Selenite, Marienglas,  
gypseous spar, from  
Cyprus, 0 - 80  $\mu\text{m}$



IRFC



UVFC



Kremer n° 11830  
Aragonite  
extra white, fine grind,  
0 - 63  $\mu\text{m}$



IRFC



UVFC

